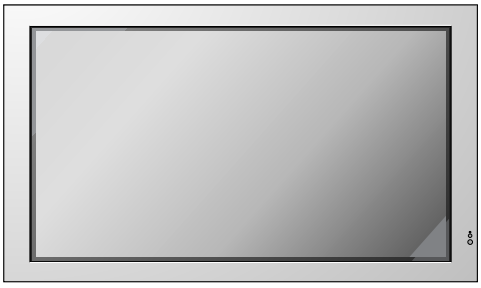
website:http://biz.LGservice.com
e-mail:http://www.LGEservice.com/techsup.html

PLASMA MONITOR
SERVICE MANUAL

CHASSIS : RF-04GA

MODEL : MZ-42PM10/B/14

CAUTION
BEFORE SERVICING THE CHASSIS,
READ THE SAFETY PRECAUTIONS IN THIS MANUAL.



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SAFETY PRECAUTIONS

IMPORTANT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These parts are identified by ⚠ in the Schematic Diagram and Replacement Parts List.
It is essential that these special safety parts should be replaced with the same components as recommended in this manual to prevent X-RADIATION, Shock, Fire, or other Hazards.
Do not modify the original design without permission of manufacturer.

General Guidance

An **isolation Transformer should always be used** during the servicing of a receiver whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks.

It will also protect the receiver and it's components from being damaged by accidental shorts of the circuitry that may be inadvertently introduced during the service operation.

If any fuse (or Fusible Resistor) in this monitor is blown, replace it with the specified.

When replacing a high wattage resistor (Oxide Metal Film Resistor, over 1W), keep the resistor 10mm away from PCB.

Keep wires away from high voltage or high temperature parts.

Due to high vacuum and large surface area of picture tube, extreme care should be used in **handling the Picture Tube**. Do not lift the Picture tube by it's Neck.

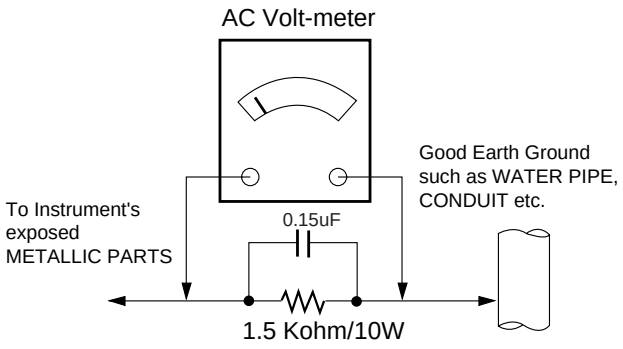
Leakage Current Cold Check(Antenna Cold Check)

With the instrument AC plug removed from AC source, connect an electrical jumper across the two AC plug prongs. Place the AC switch in the on position, connect one lead of ohm-meter to the AC plug prongs tied together and touch other ohm-meter lead in turn to each exposed metallic parts such as antenna terminals, phone jacks, etc.
If the exposed metallic part has a return path to the chassis, the measured resistance should be between 1MΩ and 5.2MΩ.
When the exposed metal has no return path to the chassis the reading must be infinite.
An other abnormality exists that must be corrected before the receiver is returned to the customer.

Leakage Current Hot Check (See below Figure)

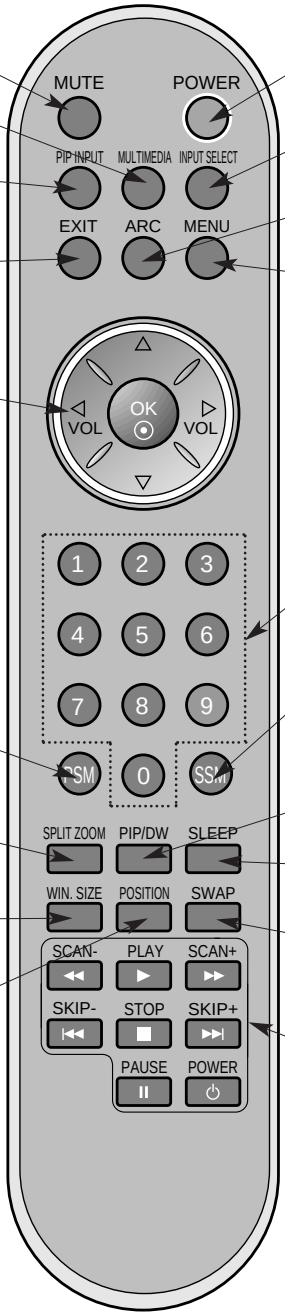
Plug the AC cord directly into the AC outlet.
Do not use a line Isolation Transformer during this check.
Connect 1.5K/10watt resistor in parallel with a 0.15uF capacitor between a known good earth ground (Water Pipe, Conduit, etc.) and the exposed metallic parts.
Measure the AC voltage across the resistor using AC voltmeter with 1000 ohms/volt or more sensitivity.
Reverse plug the AC cord into the AC outlet and repeat AC voltage measurements for each exposed metallic part. Any voltage measured must not exceed 0.75 volt RMS which is corresponds to 0.5mA.
In case any measurement is out of the limits specified, there is possibility of shock hazard and the set must be checked and repaired before it is returned to the customer.

Leakage Current Hot Check circuit



DESCRIPTION OF CONTROLS

- When using the remote control aim it at the remote control sensor of the set.
- There's maybe a defect in consecutive operation of remote control in specified brightness according to this set feature.



MUTE
Switches the sound on or off.

MULTIMEDIA
Selects the Component, RGB or DVI modes.

PIP INPUT
Selects the input mode for the sub picture.

EXIT
Clears all on-screen displays.

▲ / ▼
Selects a menu option.
◄ / ► (Volume Up/Down)
Increases/decreases sound level.
Adjusts menu settings.
OK
accepts your selection or displays the current mode.

PSM
Adjusts the factory preset picture according to the room.

SPLIT ZOOM
Enlarge the screen with regular ration.

WIN.SIZE
Adjusts the sub picture size.

POSITION
Moves the sub picture to ▲ / ▼ or ◄ / ► direction.

POWER
switches the set on from standby or off to standby.

INPUT SELECT

ARC
Changes the picture format.

MENU
Displays on screen menus one by one.
Exits the current menu.
Memorizes menu changes.

NUMBER buttons

SSM
To select the sound appropriate to your viewing programme character.

PIP/DW
Switches the sub picture on or off.
Selects PIP or DW modes.

SLEEP
Sets the sleep timer.

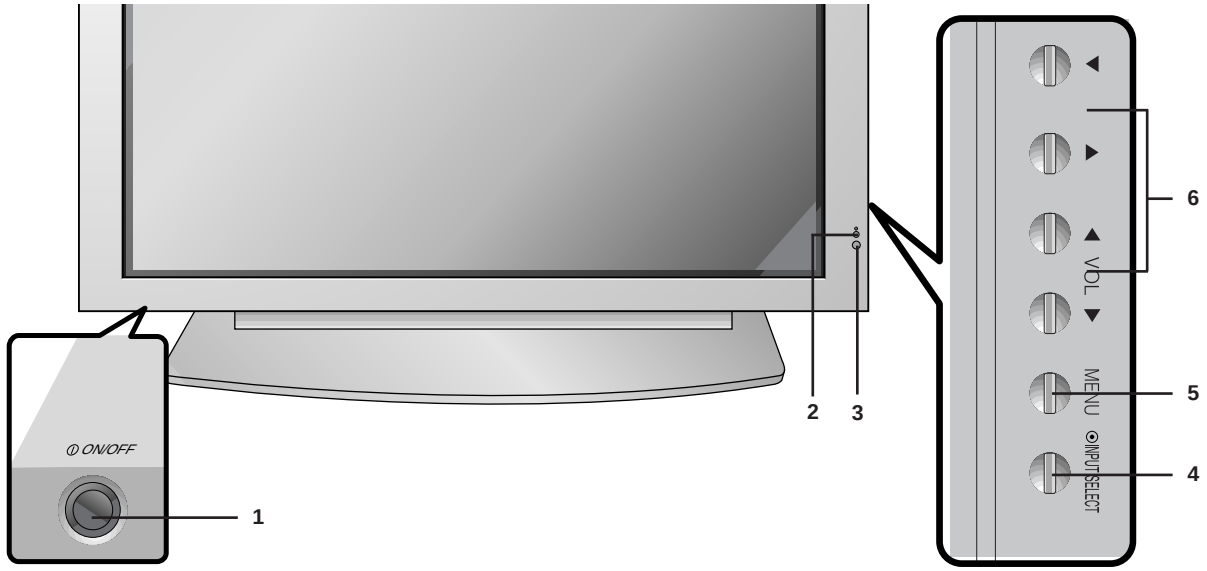
SWAP
Alternates between main and sub picture.

DVD BUTTONS
controls a LG DVD player.

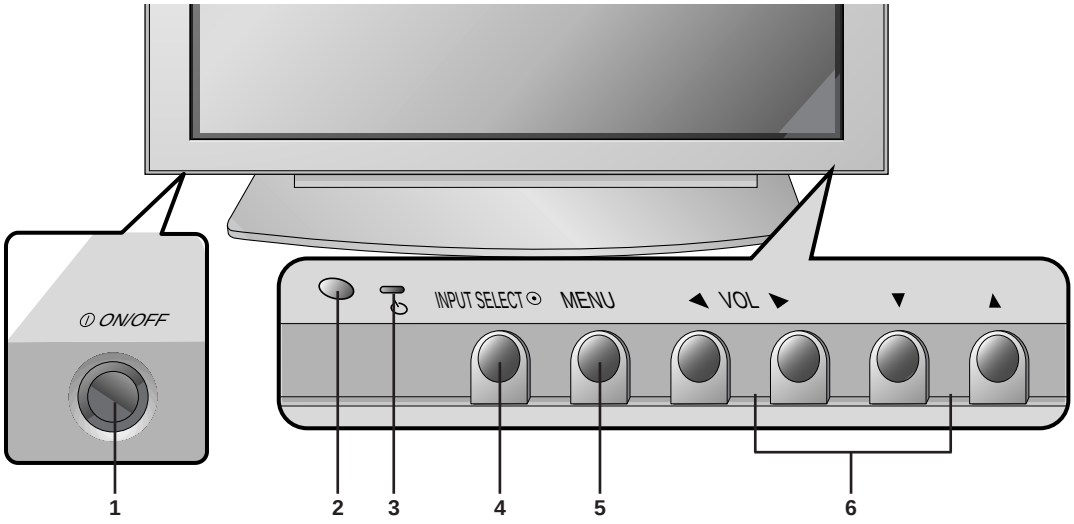
- Shown is a simplified representation of the set.
- Here shown may be somewhat different from your set.

<Front Panel Controls>

MT/MZ-42/50PM10 series



MT/MZ-42/50PM20 series



1. **Main Power Button**

2. **Remote Control Sensor**

3. **Power Standby Indicator**
   Illuminates red in standby mode, Illuminates green when the set is turned on

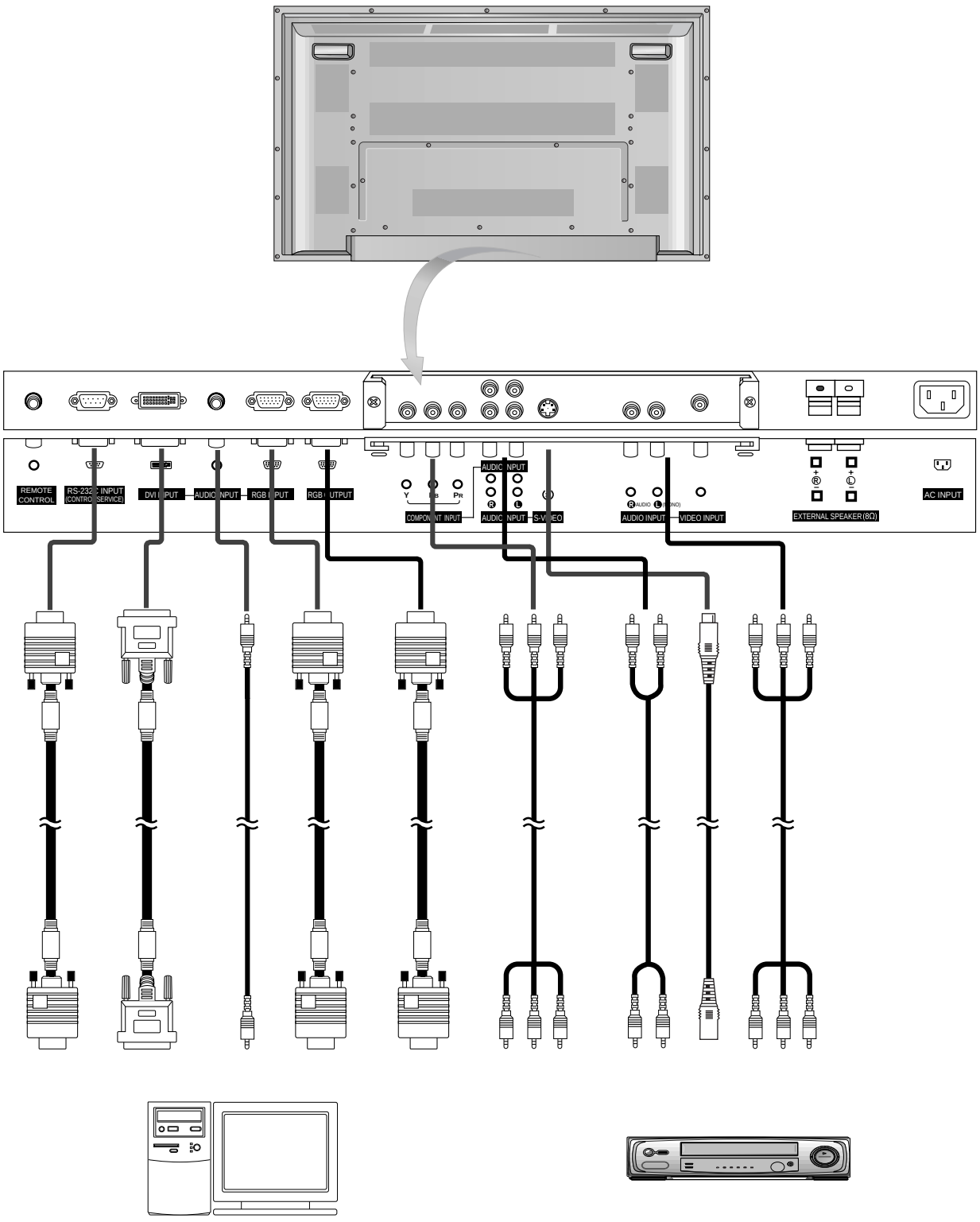
4. **INPUT SELECT Button**

5. **MENU**
   Displays on screen menus one by one.
   Exits the current menu.
   Memorizes menu changes.

6. **▲ / ▼**
   Selects a menu option.
   ◀ / ▶ (Volume Up/Down)
   Increases/decreases sound level.
   Adjusts menu settings.

MZ-42PM10

<Back Panel>



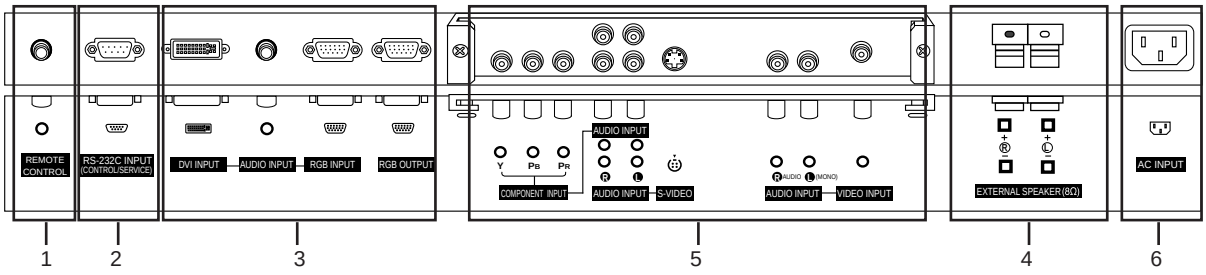
Connection to PC

Connection to AV equipment

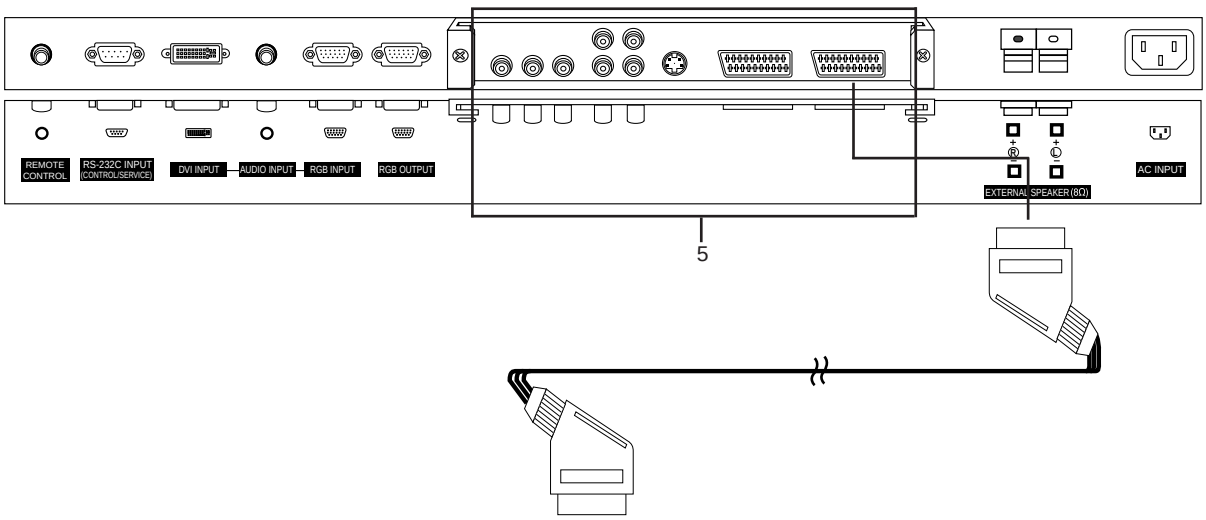
MZ-42PM10

<Back Panel>

RCA Type



Scart Type



1. CONTROL LOCK / REMOTE CONTROL

2. RS-232C INPUT(CONTROL/SERVICE) PORT
Connect to the RS-232C port on a PC.

3. DVI INPUT / AUDIO INPUT / RGB INPUT SOCKETS
Connect the monitor output socket of the PERSONAL COMPUTER to this socket.

RGB OUTPUT SOCKET
You can watch the RGB signal on another monitor, connect RGB OUTPUT to another monitor's PC input port.

4. EXTERNAL SPEAKER OUTPUT (8 ohm)
Connect to optional external speaker(s).
*For further information, refer to 'Speaker & Speaker Stand' manual.

5. AUDIO / COMPONENT INPUT / S-VIDEO / VIDEO INPUT / AUDIO INPUT SOCKETS

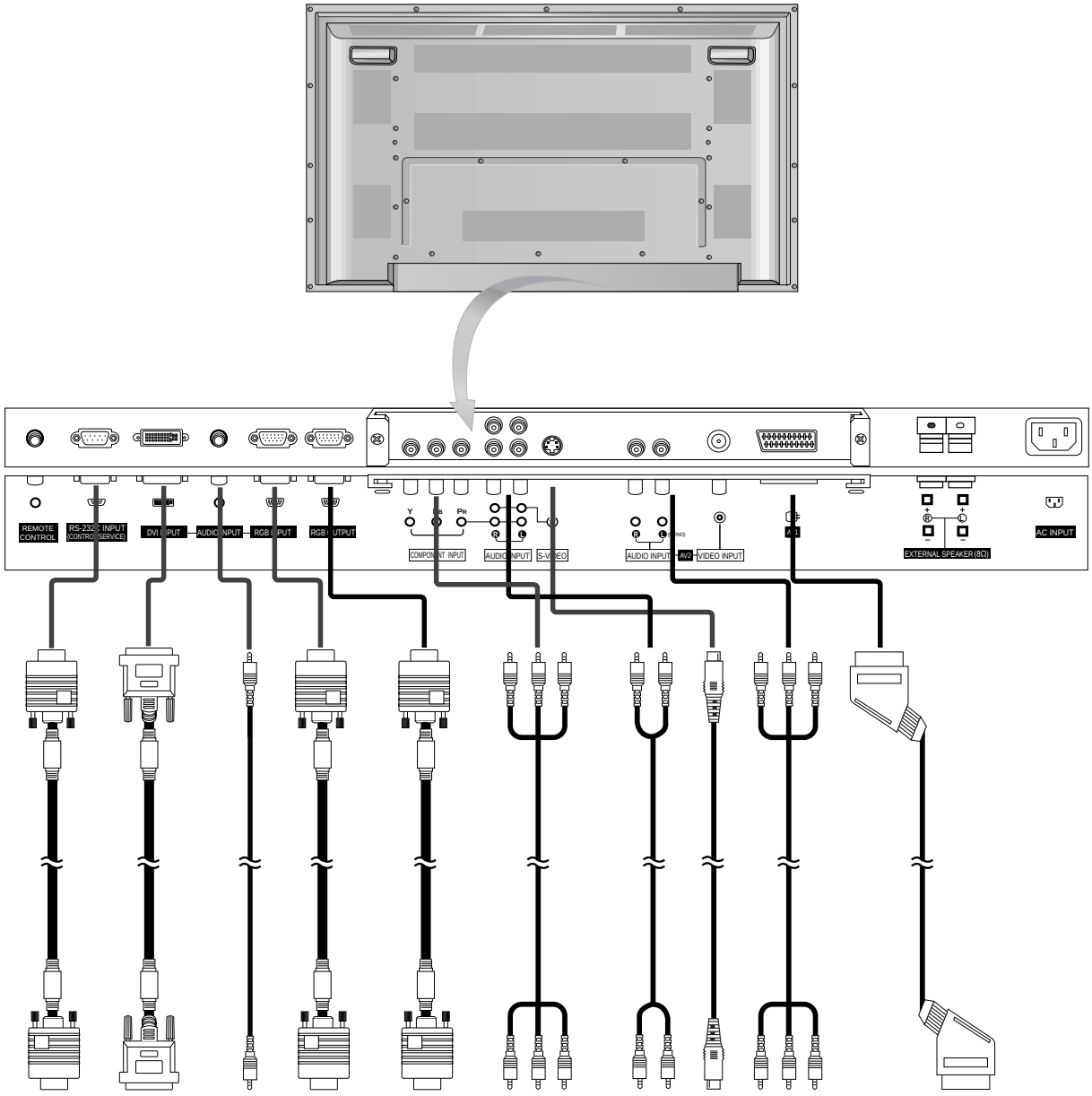
EURO SCART SOCKET

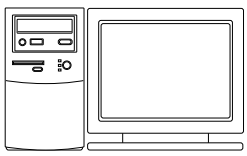
Note: *The interface board (AP-42PM10/11) is not equipped on MT/MZ-42PM10/12X/20 series / MT/MZ-50PM10/20 series models. Contact your dealer for buying this optional item.*

6. POWER CORD SOCKET
This Monitor operates on an AC power. The voltage is indicated on the Specifications page. Never attempt to operate the Monitor on DC power.

MZ-42PM14

<Back Panel>



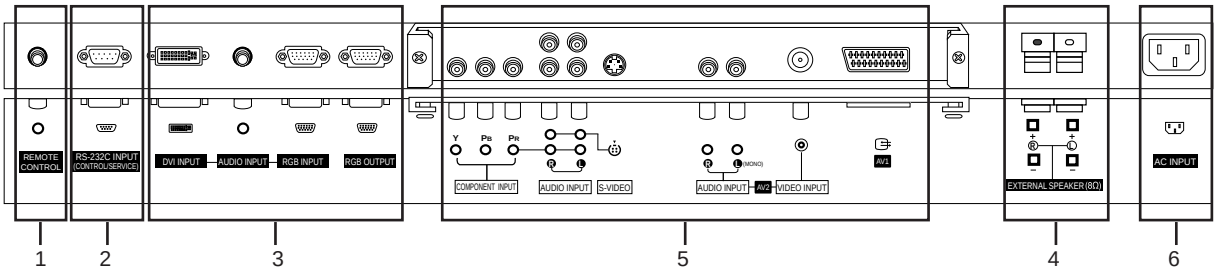


Connection to PC

Connection to AV equipment

MZ-42PM14

<Back Panel>



1. CONTROL LOCK / REMOTE CONTROL

2. RS-232C INPUT(CONTROL/SERVICE) PORT
Connect to the RS-232C port on a PC.

3. DVI INPUT / AUDIO INPUT / RGB INPUT SOCKETS
Connect the monitor output socket of the PERSONAL COMPUTER to this socket.

RGB OUTPUT SOCKET
You can watch the RGB signal on another monitor, connect RGB OUTPUT to another monitor's PC input port.

4. EXTERNAL SPEAKER OUTPUT (8 ohm)
Connect to optional external speaker(s).
* For further information, refer to 'Speaker & Speaker Stand' manual.

5. COMPONENT / AUDIO INPUT SOCKETS
S-VIDEO / AUDIO (L/MONO) INPUT SOCKETS
VIDEO / AUDIO (L/MONO) INPUT SOCKETS

EURO SCART SOCKET

Note: *If you want to use your external hi-fi stereo system, turn off the internal speakers of the set.*

6. POWER CORD SOCKET
This Monitor operates on an AC power. The voltage is indicated on the Specifications page. Never attempt to operate the Monitor on DC power.

SPECIFICATIONS

NOTE : Specifications and others are subject to change without notice for improvement.

■ Application Range

This spec is sheet is applide to the 42",50" PDP TV used RF-04GA chassis.

Chassis	Model Name	Market Place	Brand
RF-04GA	MZ-42PM10	EU	LG
	MZ-42PM12X		
	MZ-50PM10		
	MZ-50PM20		
	MT-42PM10	Non-EU	LG
	MT-42PM20		
	MT-42PM12X		
	MT-50PM10		
	MT-50PM20		

■ Specification

Each part is tested as below without special appointment.

1) Temperature : 25¡ 5°C (77¡ 9°F)
2) Relative Humidity: 65¡ 10%
3) Power Voltage: Standard Input voltage (100V-240V~, 50/60Hz)
   * Standard Voltage of each product is marked by models.
4) Specification and performance of each parts are followed each drawing and specification by part number in accordance with BOM.
5) The receiver must be operated for about 20 minutes prior to the adjustment.

■ Test and Inspection Method

1) Performance : LGE TV test method followed.
2) Demanded other specification
   Safety: CE, IEC specification
   EMC : CE, IEC

Model Name	Market	Remark	Remark
MZ-42PM10	EU	Safety : IEC60065	TEST
MZ-42PM12X		EMI : EN55022	
MZ-50PM10		EMS : EN55024	
MZ-50PM20			
MT-42PM10	Non-EU	Safety : IEC60065,IE60950	
MT-42PM20			
MT-42PM12X		EMI : EN55022	
MT-50PM10			
MT-50PM20			

■ General Specification

1. General Specification (42” VGA MODULE)

No	Item	Specification	Remark
1	Display Screen Device	42 inch wide Color Display Module	PDP
2	Aspect Ratio	16:9	
3	PDP Module	PDP42V6000	LGE
4	Screen Filter	45% Total light transmittance (E- Mesh)	Maker : NBK / Mitsui / LG Chemical
5	Operating Environment	1) Temp : 0~40 deg 2) Humidity : 0~85%	LGE SPEC
6	Storage Environment	1) Temp : -20~60 deg 2) Humidity : 0~85%	
7	Input Voltage	AC100 ~ 240V, 50/60Hz	Maker : SONY / Murata / Sanken

2. General Specification (42” XGA MODULE)

No	Item	Specification	Remark
8	Display Screen Device	42 inch wide Color Display Module	PDP
9	Aspect Ratio	16:9	
10	PDP Module	PDP42X1A###, RGB Closed Type	
11	Screen Filter	45% Total light transmittance (E- Mesh)	Maker : NBK / Mitsui / LG Chemical
12	Operating Environment	1) Temp : 0~40 deg 2) Humidity : 0~85%	LGE SPEC
13	Storage Environment	1) Temp : -20~60 deg 2) Humidity : 0~85%	
14	Input Voltage	AC100 ~ 240V, 50/60Hz	Maker : SONY / Sanken

3. General Specification (50” XGA MODULE)

No	Item	Specification	Remark
15	Display Screen Device	50 inch wide Color Display Module	PDP
16	Aspect Ratio	16:9	
17	PDP Module	PDP50X2###, RGB Closed Type	LGE
18	Screen Filter	45% Total light transmittance (E- Mesh)	Maker : NBK / Mitsui / LG Chemical
19	Operating Environment	1) Temp : 0~40 deg 2) Humidity : 0~85%	LGE SPEC
20	Storage Environment	1) Temp : -20~60 deg 2) Humidity : 0~85%	
21	Input Voltage	AC100 ~ 240V, 50/60Hz	Maker : SONY / Sanken

■ Model Specification

1. MZ-42PM10 / 42PM12X / 50PM10 / 50PM20

No	Item	Specification	Remark
22	Market	EU	
23	Scart Jack (2EA)	PAL, SECAM	4 System : PAL, B/G/I/D/K, SECAM L/, NTSC4.43, PAL60
24	S-AV Input (1EA)	PAL, SECAM, NTSC	4 System : PAL, B/G/I/D/K, SECAM L/, NTSC4.43, PAL60
25	Component Input (1EA)	Y/ Cb/ Cr, Y/ Pb/ Pr	
26	RGB Input (1EA)	RGB-PC/DTV	Up to UXGA@60Hz/480P
27	RGB Outpu t (1EA)	RGB-PC/DTV	Up to UXGA@60Hz/480P
28	DVI Input (1EA)	DVI-PC/DTV	DVI-D
29	Audio Input (4EA)	PC Audio, Component,S-VHS, CVBS	L/R Input
30	Wired Control	Discrete IR	

2. MT-42PM10 / 42PM20 / 42PM12X / 50PM10 / 50PM20

No	Item	Specification	Remark
31	Market	Non-EU	
32	Scart Jack (2EA)	PAL, SECAM, NTSC	4 System : PAL, B/G/I/D/K, SECAM L/, NTSC4.43, PAL60
33	S-AV Input (1EA)	PAL, SECAM, NTSC	4 System : PAL, B/G/I/D/K, SECAM L/, NTSC4.43, PAL60
34 35	Component Input (1EA) RGB Input (1EA)	Y/ Cb/ Cr, Y/ Pb/ Pr RGB-PC/DTV	 Up to UXGA@60Hz/480P
36	RGB Outpu t (1EA)	RGB-PC/DTV	Up to UXGA@60Hz/480P
37	DVI Input (1EA)	DVI-PC/DTV	DVI-D
38	Audio Input (4EA)	PC Audio, Component,S-VHS, CVBS	L/R Input
39	Wired Control	Discrete IR	

ADJUSTMENT INSTRUCTIONS

1. Application Object

This spec sjeet os applied all of the 42”, 50”, RF-04GA chassis bymanufacturing LG TV Plant or sort plant.

2. Specification

(1) Because this is not a hot chassis, it is not necessary to use an isolation transformer. However, the use of isolation transformer will help protect test instrument.
(2) Adjustment must be done in the correct order.
(3) The adjustment must be performed in the circumstance of 25±5°C of temperature and 65±10% of relative humidity if there is no specific designation.
(4) The input voltage of the receiver must keep 100-220V~, 50/60Hz.
(5) The receiver must be operated for about 15 minutes prior to the adjustment.

● After RGB Full white HEAT-RUN Mode, the receiver must be operated prior to adjustment.
● Enter into HEAT-RUN MODE
1) Press the POWER ON KEY on R/C for adjustment.
2) OSD display and screen display 100% full WHITE PATTERN.

※ Set is activated HEAT-RUN without signal generator in this mode.
※ Single color pattern(RED/BLUE/GREEN) of HEAT-RUN mode uses to check pannel.

Caution) If you turn on a still screen more than 20 minutes (Especially digital pattern, cross hatch pattern), a after image may be occur in the black level part of the screen.

3. POWER PCB Assy Voltage Adjustments (Va, Vs Voltage Adjustments)

3-1. Test Equipment : D.M.M. 1EA

3-2. Connection Diagram for Measuring

Refer to [Fig 1]

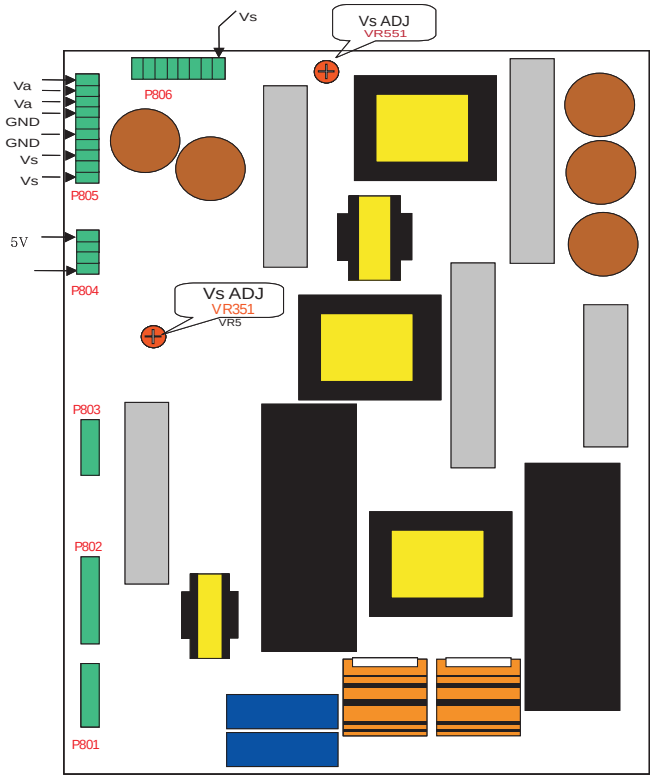
3-3. Adjustment Method for

(1) Va Adjustment

1) After receiving 100% Full White Pattern, HEAT RUN.
2) Connect + terminal of D.M.M to Va pin of P805, connect - terminal to GND pin of P805.
3) After turningVR351, voltage of D.M.M adjustment as same as Va voltage which on lable of panel right/top (Deviation; ±0.5V)

(2) Vs Adjustment

1) Connect + terminal of D.M.M to Vs pin of P805, connect – terminal to GND pin of P805.
2) After turning RV551, voltage of D.M.M adjustment as same as Va voltage which on label of panel right/top. (Deviation; ±0.5V)



[Fig. 1] Connection Diagram of Power Adjustment for Measuring

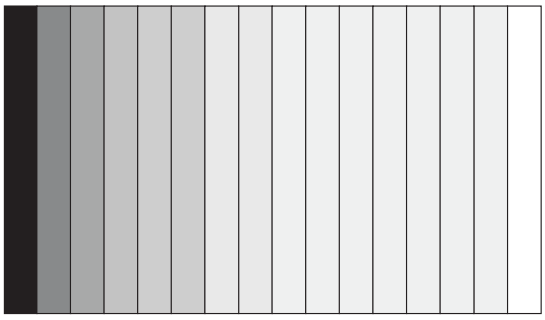
4. Auto RGB Color balance

4-1 Pattern Equipment : PC Pattern Generator(801F or VG828)

(16Gray Scale Pattern output(RGB output Level: 0.7Vp-p))

4-2 Method of Auto RGB Color Balance

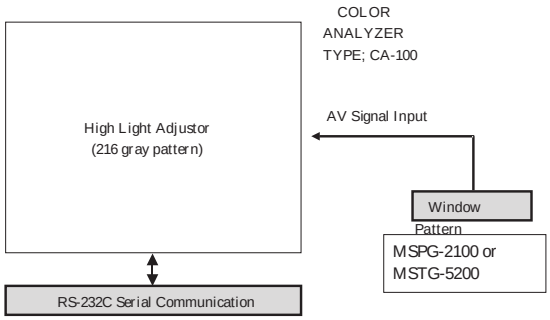
(1) Input RGB Source: 16Gray Scale Pattern output (RGB output Level: 0.7Vp-p)
(2) Press ADJ KEY on R/C for adjustment.
(3) Press Vol. +KEY and Operate To Set.
(4) Auto-RGB OK means completed adjustment.



[Fig. 2] Auto RGB Color Balance Test Pattern

4-3 Adjustment of White Balance

(1) Required Equipment
Color Analyzer(CA-100 or same product)
(2) Connecting diagram of equipment for measuring.



[Fig. 3] White Balance Adjustment

If you are adjusting a MZ Model, Use the RCA to SCART(Out) cable to input a AV signal.

(3) Adjustment of White Balance

- Operate the zero-calibration of the CA-100, then stick sensor to PDP module surface when you adjust..
- For manual adjustment, It is also possible by the following sequence.
  1) Select white pattern of heat-run mode by pressing power on key on remote control for adjustment then operate heat run more than 15 minute.
  2) Supply Gray Pattern(216 Gray full window) signal to VIDEO input.(RZ-42PM10: AV4 input) refer to [fig3]
  3) To adjust High Light, stick sensor to 216 Gray level pattern, press ADJ key twice(White Balance) on remote control.
     For adjustment and ▲/▼on remote control for adjustment mode to select Red Gain and Blue Gain, press Vol +.-key and adjust it until color coordination becomes as below.
     [RF-04GA:RZ-42PM10]:
     X; 0.283 ¡ 0.003, Y; 0.297 ¡ 0.003,
     Color Temperature;9,300 °K ¡ 500°K
  4) Exit adjustment mode using ■ Key.

4-4 Auto Adjustment Map(RS-232C)

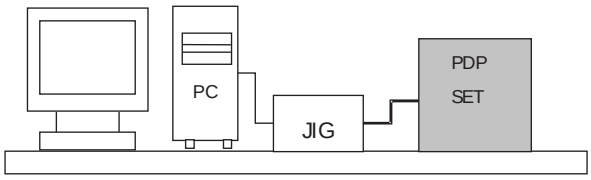
Type		RF-043B_PDP42				
Baud Rate		Data bit		Stop bit	Parity	
115200		8		1	NONE	
Protocol Setting	Index	Cmd1	Cmd2	Data	Min Value	Max Value
	R Gain	j	a		00(00)	255(FF)
	G Gain	j	b		00(00)	255(FF)
	B Gain	j	c		00(00)	255(FF)
	R Offset	j	d		00(00)	255(FF)
	G Offset	j	e		00(00)	255(FF)
	B Offset	j	f		00(00)	255(FF)

5. DDC Data Input

5-1. Required Test Equipment

(1) A jig for adjusting PC, DDC (PC serial to D-sub Connection equipment)
(2) S/W for writing DDC (EDID Data Write & Read)
(3) D-sub 15P Cable, D-Sub to DVI Connector (Connect to DVI Jack)

5-2. Setting of Device



5-3. Preparation for Adjustment

(1) Set devices as above and turn the PC, jig on.
(2) Put S/W for writing DDC (EDID data Write & Read) into operation. (operated in DOS mode.)

5-4. Sequence of Adjustment

(1) DDC Data Input for Analog-RGB

1) Put the set on the table and turn the power on.
2) Connect PC Serial to D-sub 15P Cable of jig for DDC adjustment to RGB terminal (D-Sub 15Pin).
3) Operate S/W for DDC record and select DDC data for Analog RGB in Model Menu.
4) Operate EDID Write command.
5) Operate EDID Read command and check whether Check Sum is OK.
6) If Check Sum is NG, repeat 3) ~ 4).
7) If Check Sum is OK, DDC data for Analog-RGB input is completed.

(2) DDC Data input for Digital-RGB(DVI)

1) Connect PC Serial to DVI Cable of jig for DDC adjustment to DVI terminal (DVI Jack).
2) Operate S/W for DDC record and select DDC data for digital RGB in model menu.
3) Operate EDID Write command.
4) Operate EDID Read command and check whether Check sum is OK
5) If Check sum is NG, repeat 3) ~ 4).
6) If Check sum is OK, DDC data for Analog-RGB input is completed.

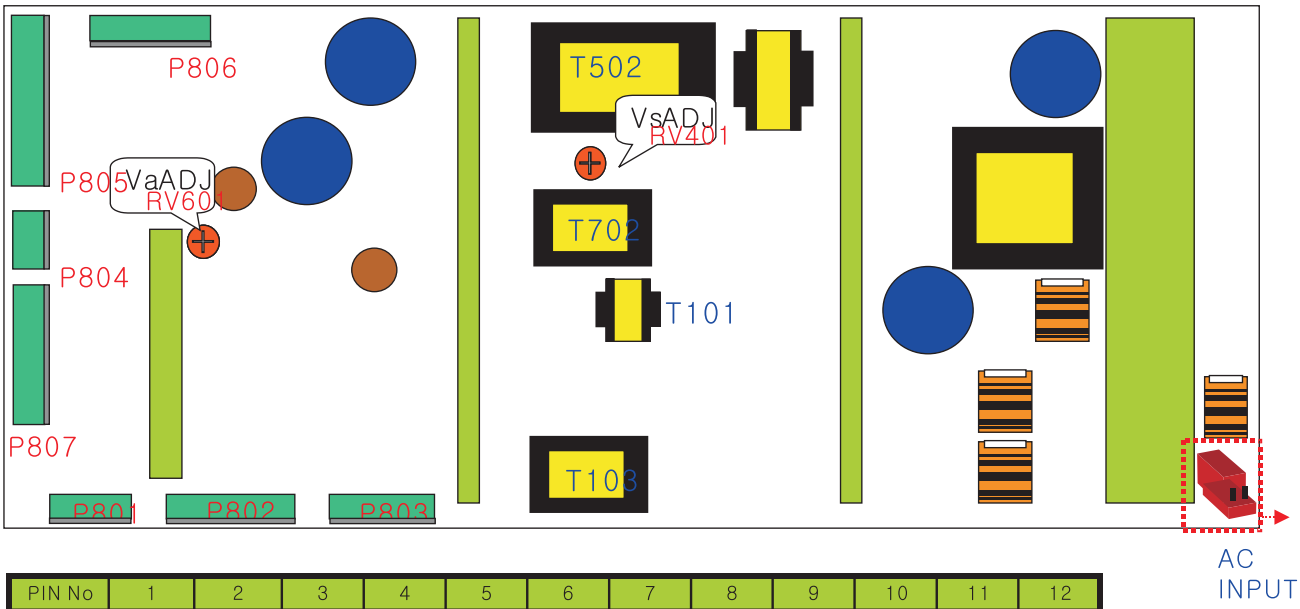
TROUBLE SHOOTING GUIDE

1. Power Board

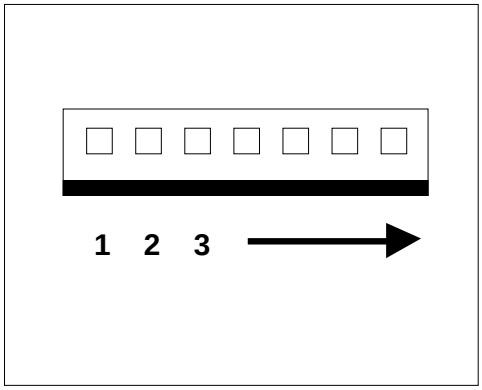
1-1. The whole flowchart which it follows in voltage output state

Start check
Doesn't the screen whole come out?
Yes
It is identical with Power Off condition?
No
Is the Interface signal operated?
Yes
1. Check the Power Off condition.
Yes
2. Check the Interface signal condition.
No
Doesn't the low pressure output come out?
Yes
Doesn't the St-by 5V signal come out?
No
Doesn't the 5V Monitor signal come out?
No
Doesn't the VSC signal RL-ON come out?
Yes
3. Check the St-by 5V signal circuit.
Yes
4. Check the 5V Monitor signal circuit.
Yes
5. Check the VSC RL-ON signal.
No
Doesn't the high tension output come out?
Yes
Doesn't the VSC signal Vs-ON come out?
No
Doesn't the Vs, Va voltage output come out?
No
Doesn't the VSC low pressure output come out?
Yes
7. Check the VSC Vs-ON signal
Yes
8. Check the Vs, Va voltage output circuit.
Yes
6. Check the VSC low pressure output
No
High tension output voltage Drop it occurs?
Yes
When remove the Y, Z B/D Module Input Connector, Power Board high tension output voltage Drop it occurs?
No
When remove the Y B/D Module Input Connector, output voltage Drop it occurs?
No
When remove the Z B/D Module Input Connector, output voltage Drop it occurs?
No
Manufacture enterprise meaning of a passage
Yes
9. Check the Power Board Output high tension circuit
Yes
10. Check the Z B/D Module Coutput circuit
Yes
11. Check the Y B/D Module Coutput circuit

1-2. Sony Power Board Structure



PIN No	1	2	3	4	5	6	7	8	9	10	11	12
P801	POD	5V-MNT	VS-ON	GND	STBY5V	RL-ON	A-ON					
P802	GND	GND	12V	12V	GND	GND	6V	6V	GND	GND	3.4V	3.4V
P803	GND	12V	GND	3.4V	GND	6V	GND	GND	25V	25V		
P804	GND	GND	5V	5V								
P805	Vs	Vs	Vs	NC	GND	GND	GND	GND	Va	Va		
P806	5V	GND	Va	GND	GND	NC	Vs	Vs				
P807	5V	5V	5V	5V	GND	GND	GND	GND				



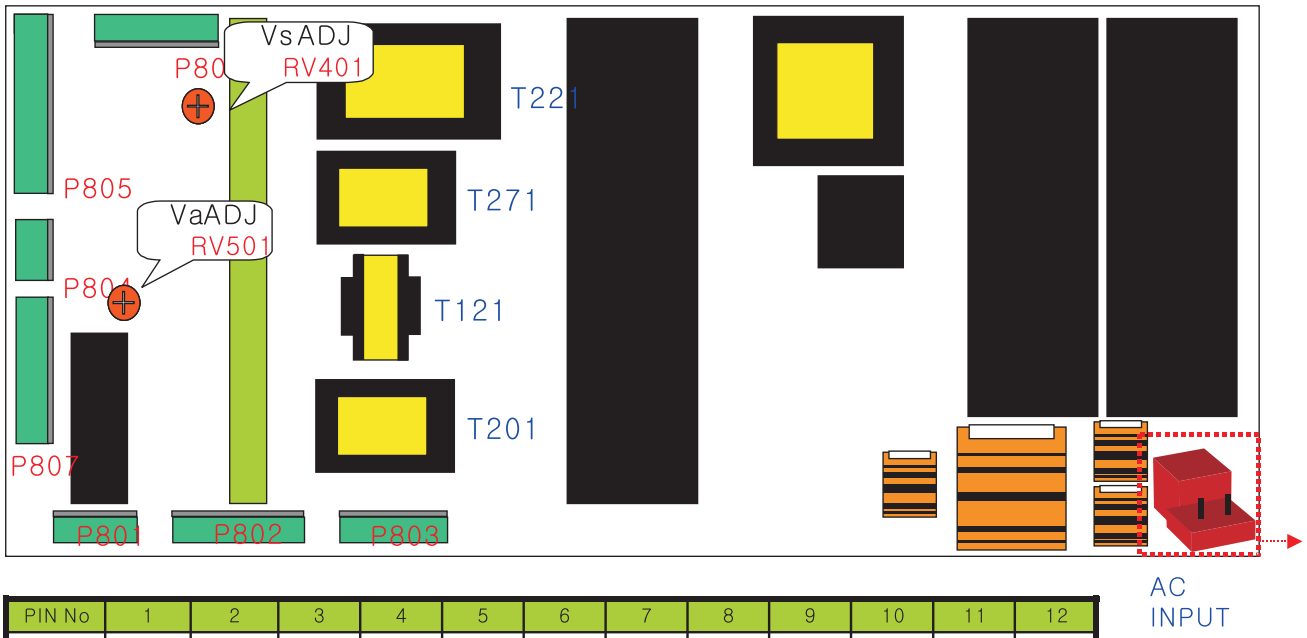
T502: Vs Trans

T702: Va Trans

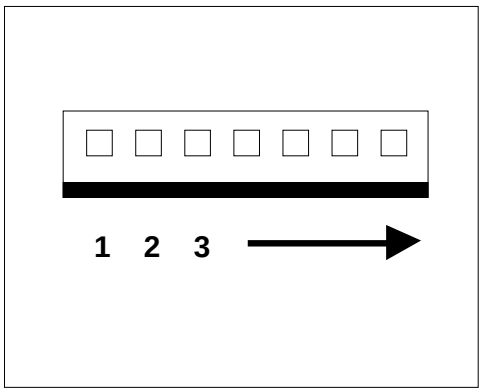
T101: St-by Trans

T103: Low Voltage Trans

1-3. Sanken Power Board Structure



PIN No	1	2	3	4	5	6	7	8	9	10	11	12
P801	POD	5V-MNT	VS-ON	GND	STBY5V	RL-ON	A-ON					
P802	GND	GND	12V	12V	GND	GND	6V	6V	GND	GND	3.4V	3.4V
P803	GND	12V	GND	3.4V	GND	6V	GND	GND	19V	19V		
P804	GND	GND	5V	5V								
P805	Vs	Vs	Vs	NC	GND	GND	GND	GND	Va	Va		
P806	5V	GND	Va	GND	GND	NC	Vs	Vs				
P807	5V	5V	5V	5V	GND	GND	GND	GND				



T221: Vs Trans

T271: Va Trans

T121: St-by Trans

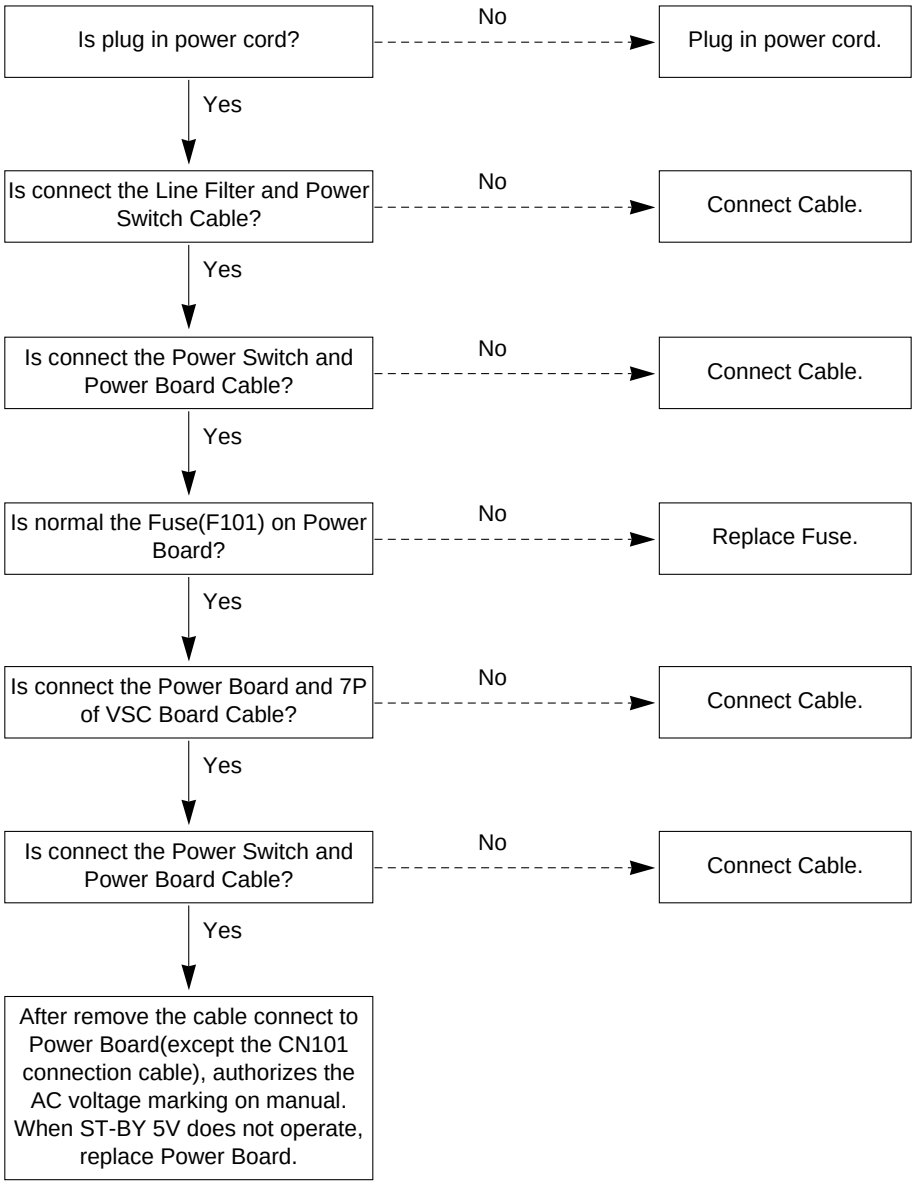
T201: Low Voltage Trans

2. No Power

(1) Symptom

- Does't minute discharge at module.
- Non does not come in into the front LED.

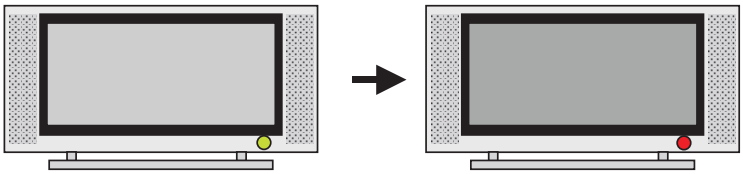
(2) Check follow


Is plug in power cord?
No
Plug in power cord.
Yes
Is connect the Line Filter and Power Switch Cable?
No
Connect Cable.
Yes
Is connect the Power Switch and Power Board Cable?
No
Connect Cable.
Yes
Is normal the Fuse(F101) on Power Board?
No
Replace Fuse.
Yes
Is connect the Power Board and 7P of VSC Board Cable?
No
Connect Cable.
Yes
Is connect the Power Switch and Power Board Cable?
No
Connect Cable.
Yes
After remove the cable connect to Power Board(except the CN101 connection cable), authorizes the AC voltage marking on manual. When ST-BY 5V does not operate, replace Power Board.

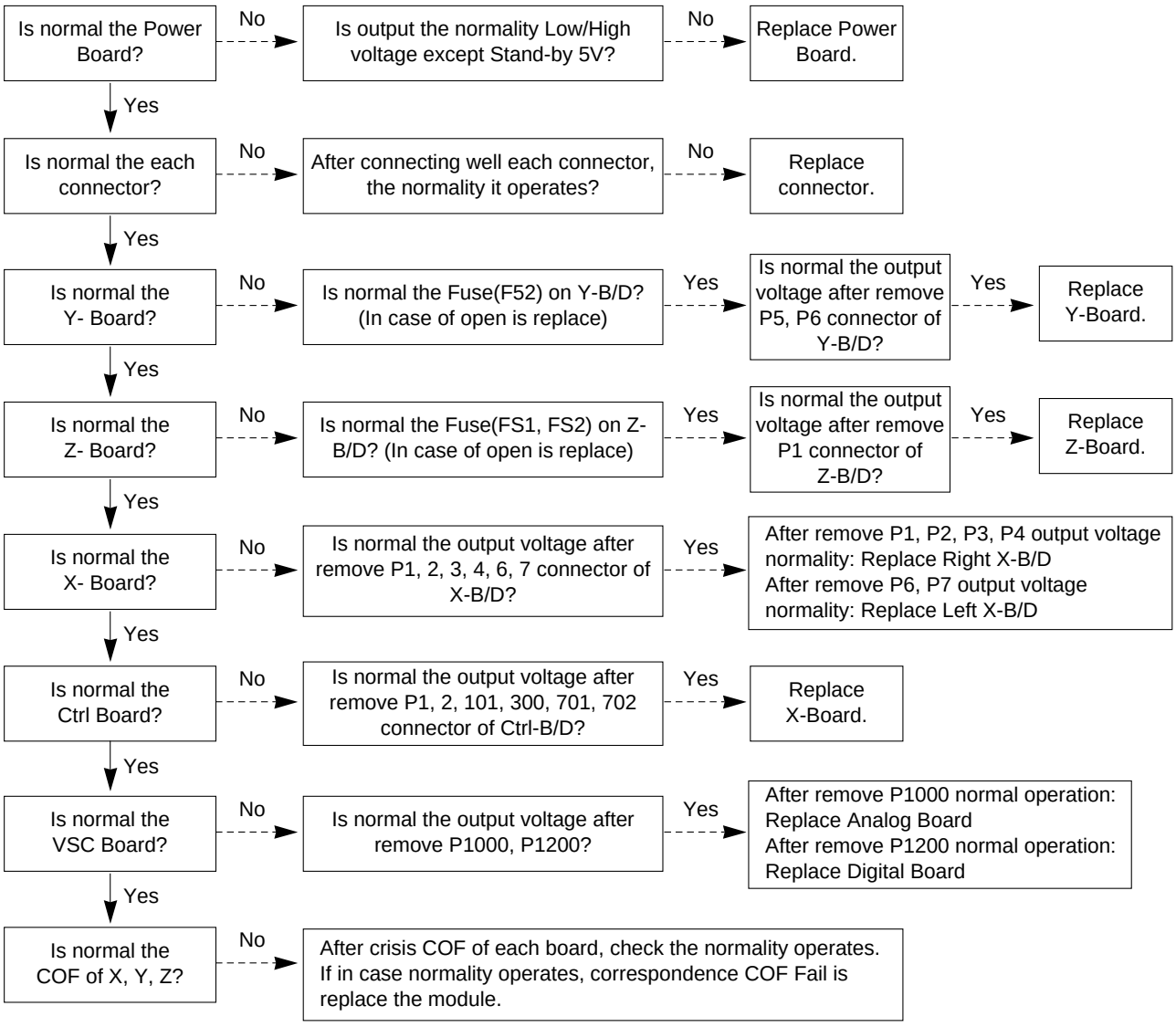
3. Protect Mode

(1) Symptom

- After once shining, it does not discharge minutely from module
- The Rely falls(The sound is audible “click”)
- It is converted with the color where the front LED is red from green.



(2) Check follow

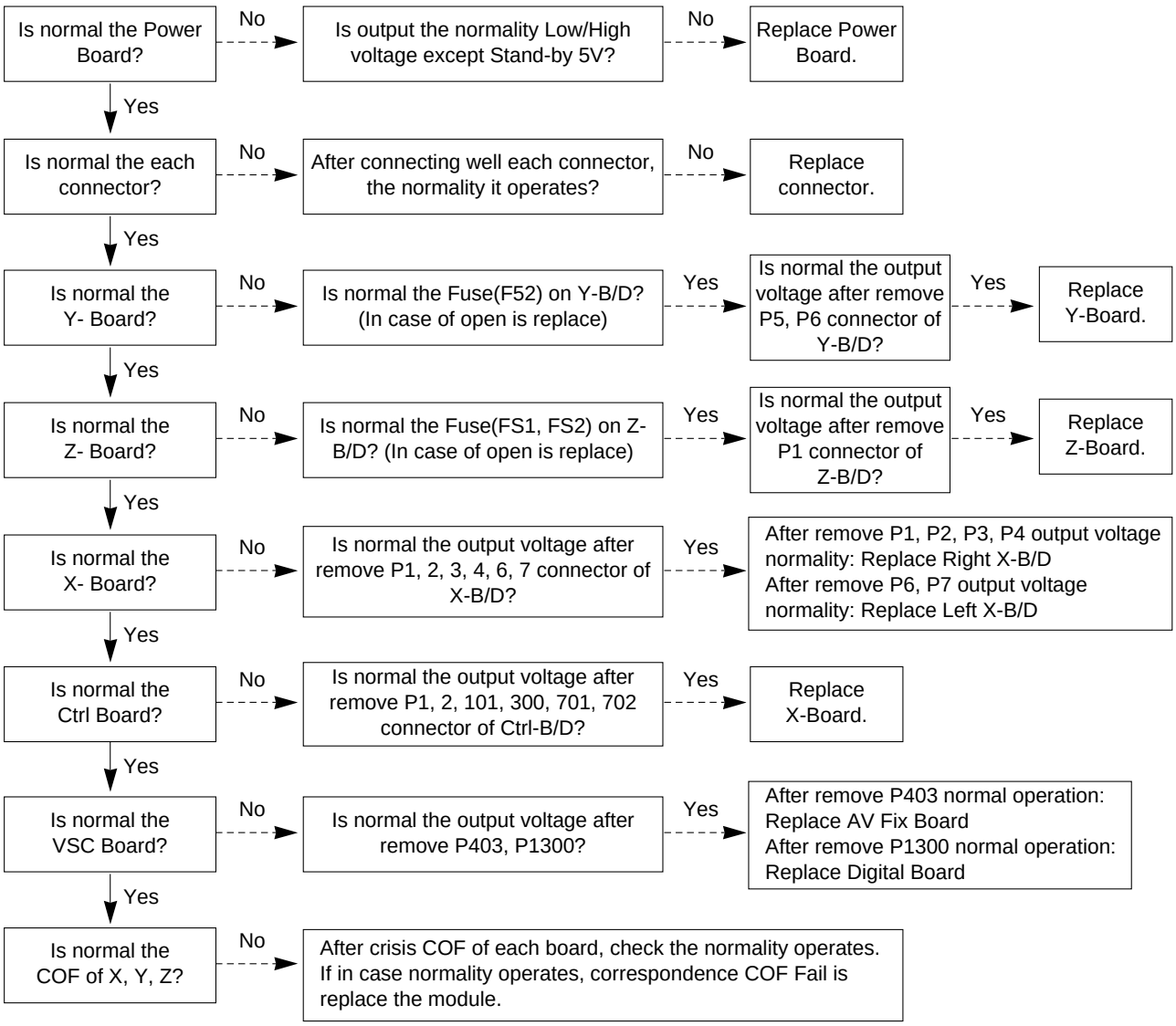

Is normal the Power Board?
No
Is output the normality Low/High voltage except Stand-by 5V?
No
Replace Power Board.
Yes
Is normal the each connector?
No
After connecting well each connector, the normality it operates?
No
Replace connector.
Yes
Is normal the Y- Board?
No
Is normal the Fuse(F52) on Y-B/D? (In case of open is replace)
Yes
Is normal the output voltage after remove P5, P6 connector of Y-B/D?
Yes
Replace Y-Board.
Yes
Is normal the Z- Board?
No
Is normal the Fuse(FS1, FS2) on Z-B/D? (In case of open is replace)
Yes
Is normal the output voltage after remove P1 connector of Z-B/D?
Yes
Replace Z-Board.
Yes
Is normal the X- Board?
No
Is normal the output voltage after remove P1, 2, 3, 4, 6, 7 connector of X-B/D?
Yes
After remove P1, P2, P3, P4 output voltage normality: Replace Right X-B/D
After remove P6, P7 output voltage normality: Replace Left X-B/D
Yes
Is normal the Ctrl Board?
No
Is normal the output voltage after remove P1, 2, 101, 300, 701, 702 connector of Ctrl-B/D?
Yes
Replace X-Board.
Yes
Is normal the VSC Board?
No
Is normal the output voltage after remove P1000, P1200?
Yes
After remove P1000 normal operation: Replace Analog Board
After remove P1200 normal operation: Replace Digital Board
Yes
Is normal the COF of X, Y, Z?
No
After crisis COF of each board, check the normality operates. If in case normality operates, correspondence COF Fail is replace the module.

4. No Raster

(1) Symptom

- Does't minute discharge at module.
- It maintains the condition where the front LED is green.

(2) Check follow

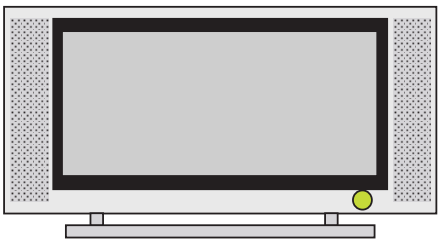

Is normal the Power Board?
No
Is output the normality Low/High voltage except Stand-by 5V?
No
Replace Power Board.
Yes
Is normal the each connector?
No
After connecting well each connector, the normality it operates?
No
Replace connector.
Yes
Is normal the Y- Board?
No
Is normal the Fuse(F52) on Y-B/D? (In case of open is replace)
Yes
Is normal the output voltage after remove P5, P6 connector of Y-B/D?
Yes
Replace Y-Board.
Yes
Is normal the Z- Board?
No
Is normal the Fuse(FS1, FS2) on Z-B/D? (In case of open is replace)
Yes
Is normal the output voltage after remove P1 connector of Z-B/D?
Yes
Replace Z-Board.
Yes
Is normal the X- Board?
No
Is normal the output voltage after remove P1, 2, 3, 4, 6, 7 connector of X-B/D?
Yes
After remove P1, P2, P3, P4 output voltage normality: Replace Right X-B/D
After remove P6, P7 output voltage normality: Replace Left X-B/D
Yes
Is normal the Ctrl Board?
No
Is normal the output voltage after remove P1, 2, 101, 300, 701, 702 connector of Ctrl-B/D?
Yes
Replace X-Board.
Yes
Is normal the VSC Board?
No
Is normal the output voltage after remove P403, P1300?
Yes
After remove P403 normal operation: Replace AV Fix Board
After remove P1300 normal operation: Replace Digital Board
Yes
Is normal the COF of X, Y, Z?
No
After crisis COF of each board, check the normality operates. If in case normality operates, correspondence COF Fail is replace the module.

5. In case of occur strange screen into specific mode

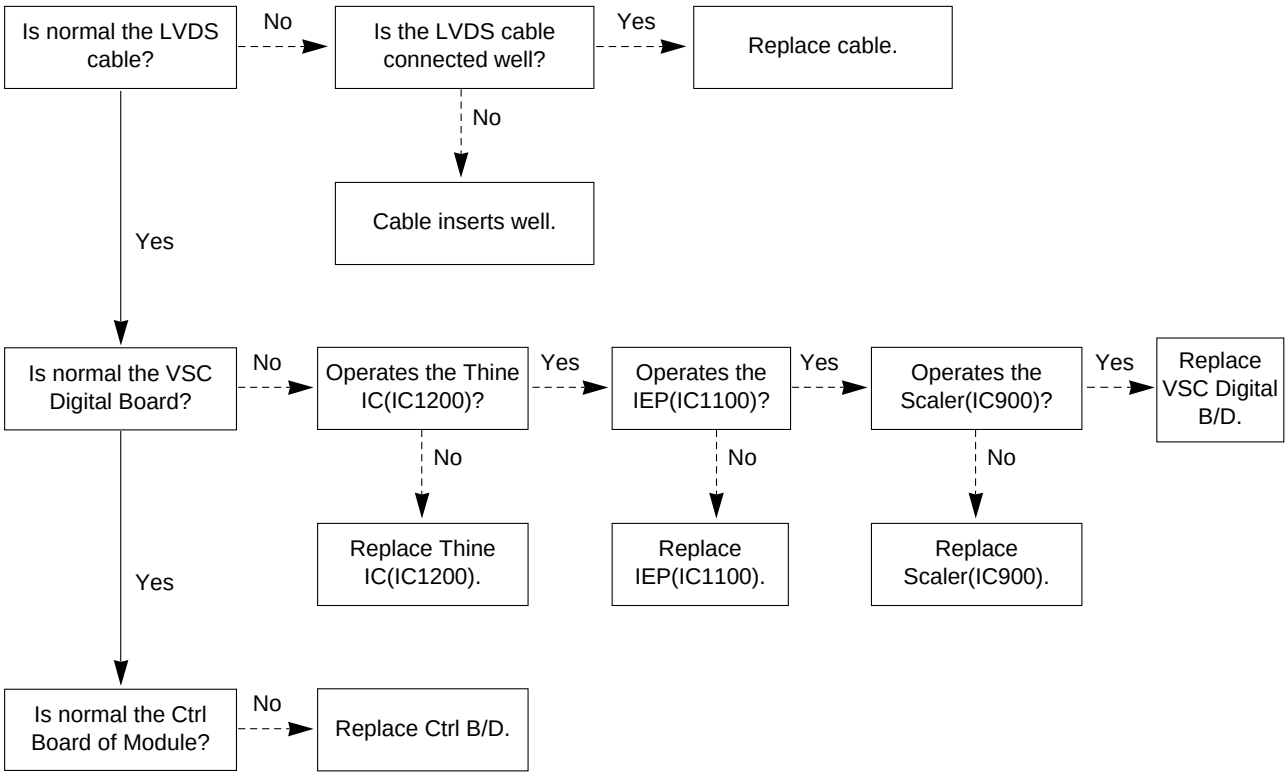
5-1. In case of does't display the OSD

(1) Symptom

- LED is green
- The minute discharge continuously becomes accomplished from module



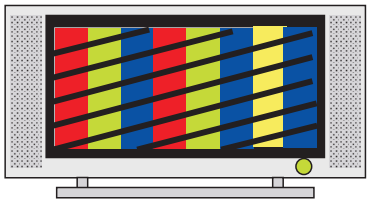
(2) Check follow



5-2. In case of does't display the screen into specific mode

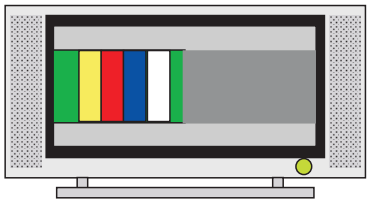
(1) Symptom

- The screen does not become the display from specific input mode (RF, AV, Component, RGB, DVI).

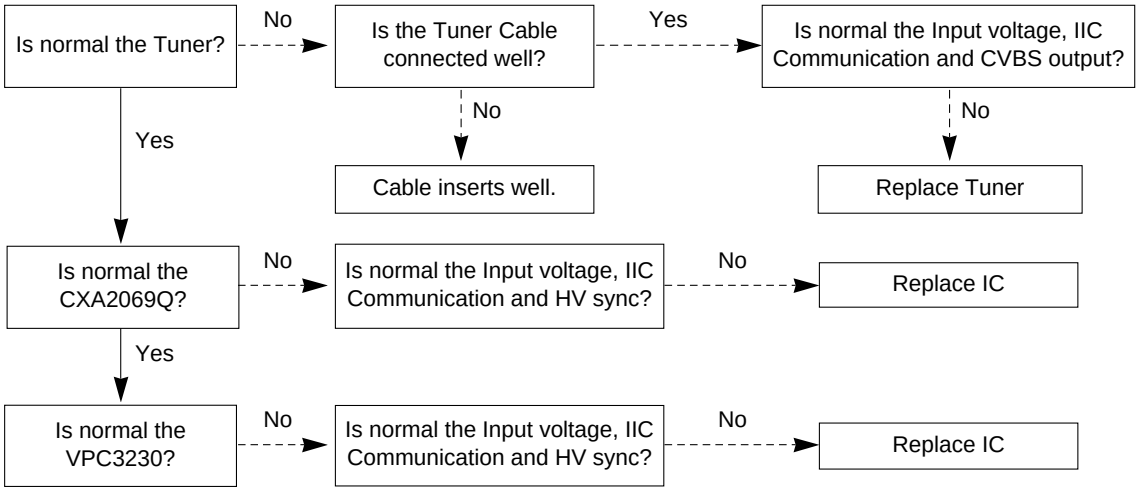


(2) Check follow

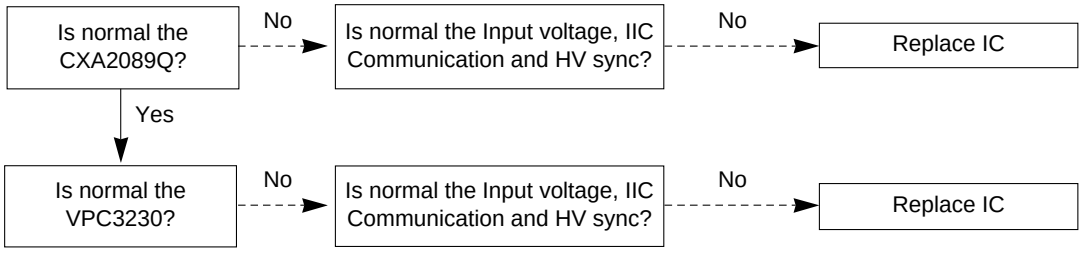
- Check the all input mode should become normality display.
- Check the Video(Main)/Data(Sub), Video(Main)/Video(Sub) should become normality display from the PIP mode or DW mode. (Re-Check it Swap)



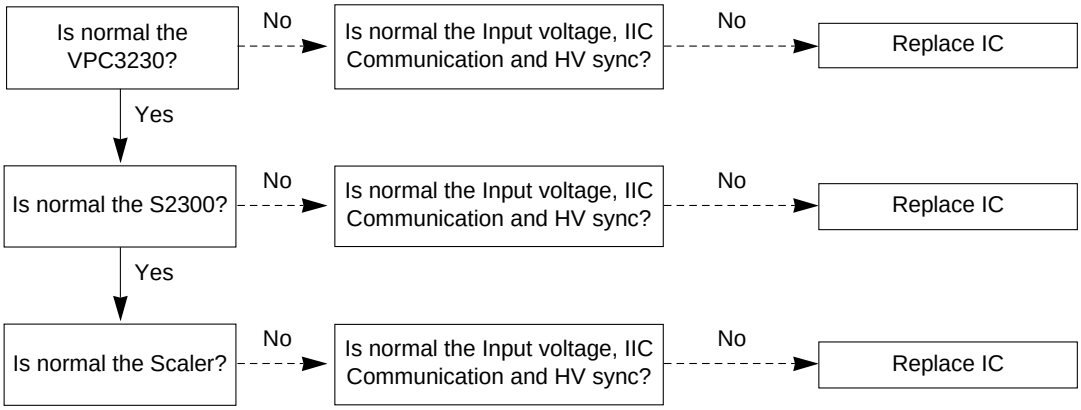
(3) In case of becomes unusual display from RF mode



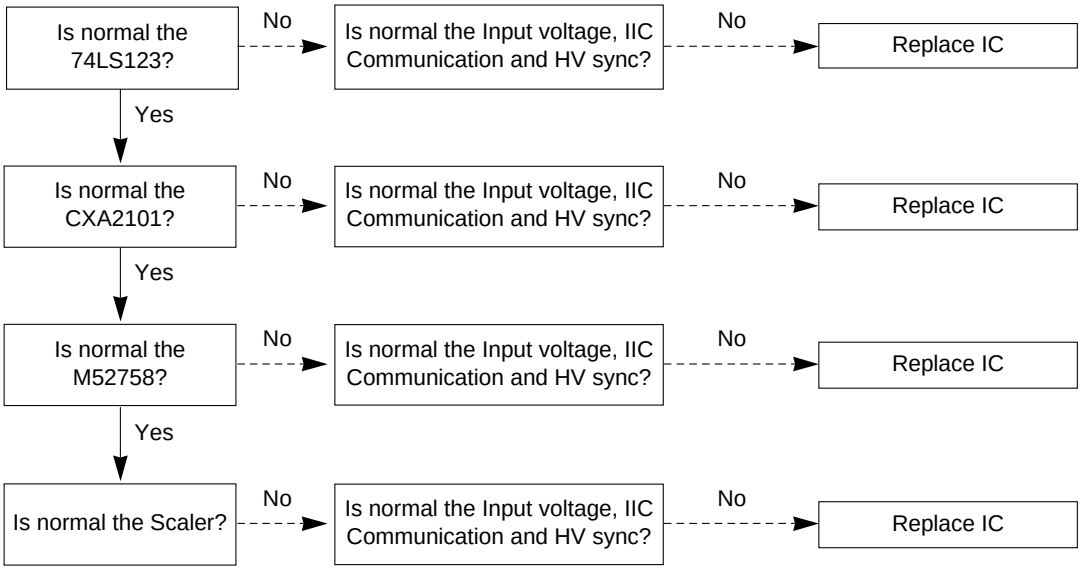
(4) In the case of becomes unusual display from RF, AV mode



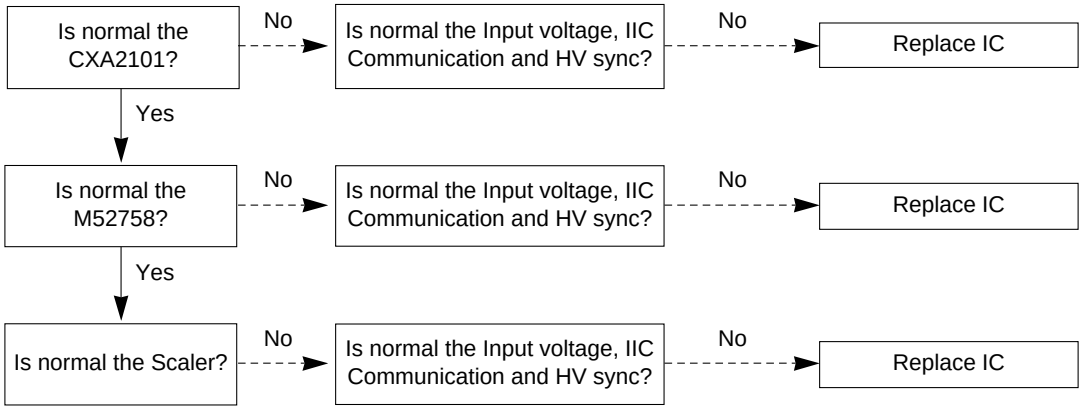
(5) In the case of becomes unusual display from RF, AV, Component 480i mode



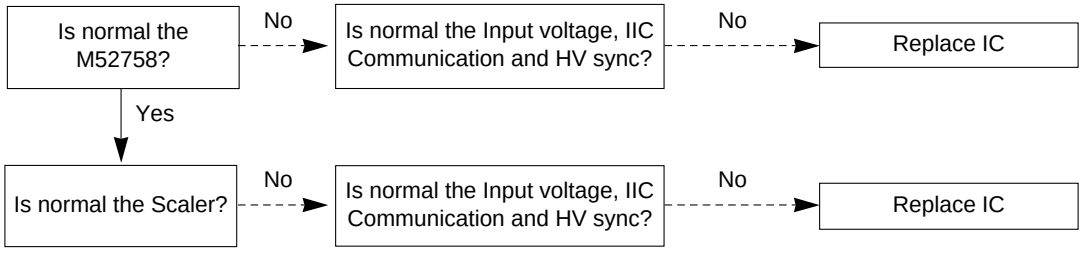
(6) In the case of becomes unusual display from Component DTV mode



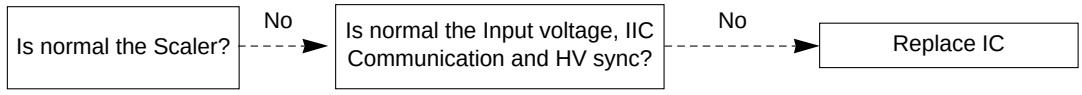
(7) In the case of becomes unusual display from RGB DTV mode



(8) In the case of becomes unusual display from RGB PC mode



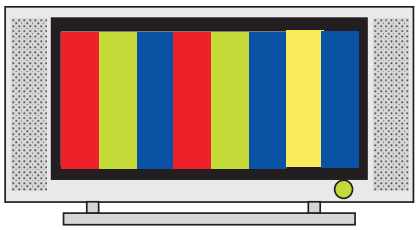
(8) In the case of becomes unusual display from DVI mode



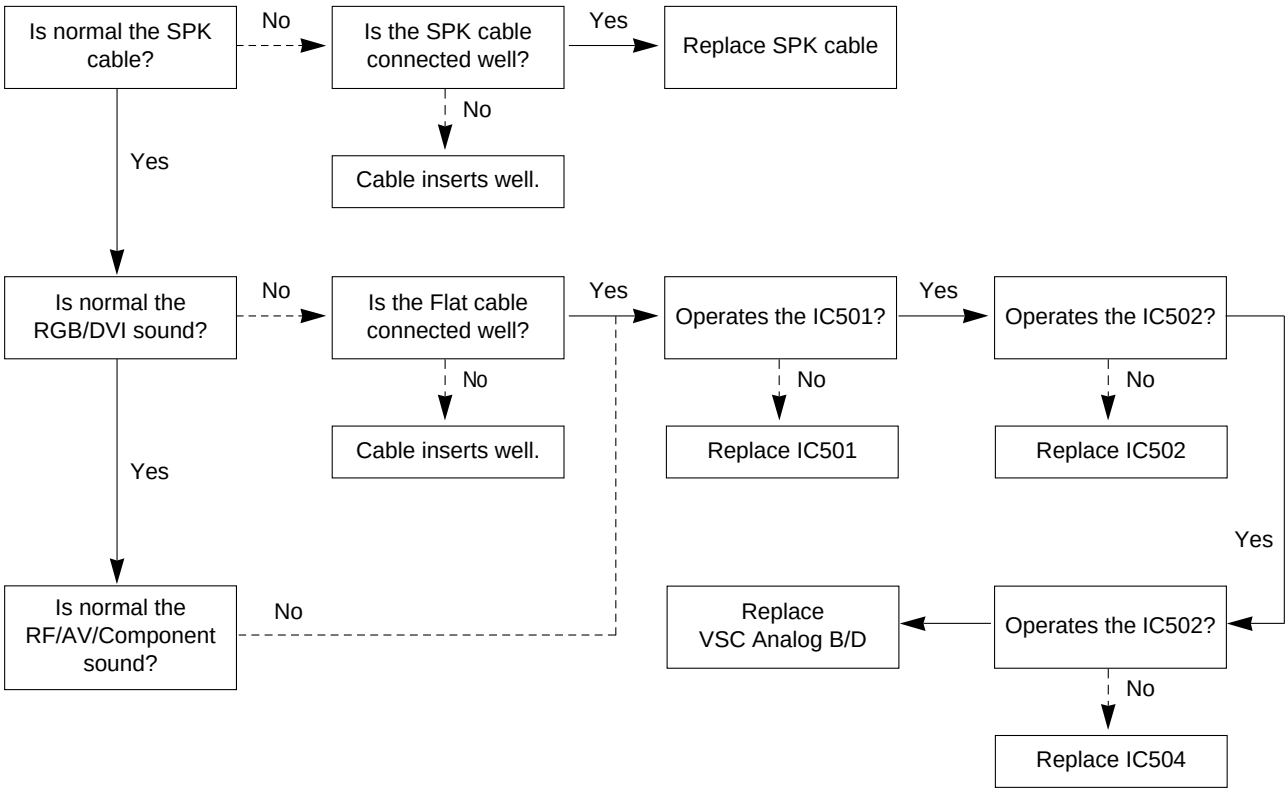
6. In case of no sound

(1) Symptom

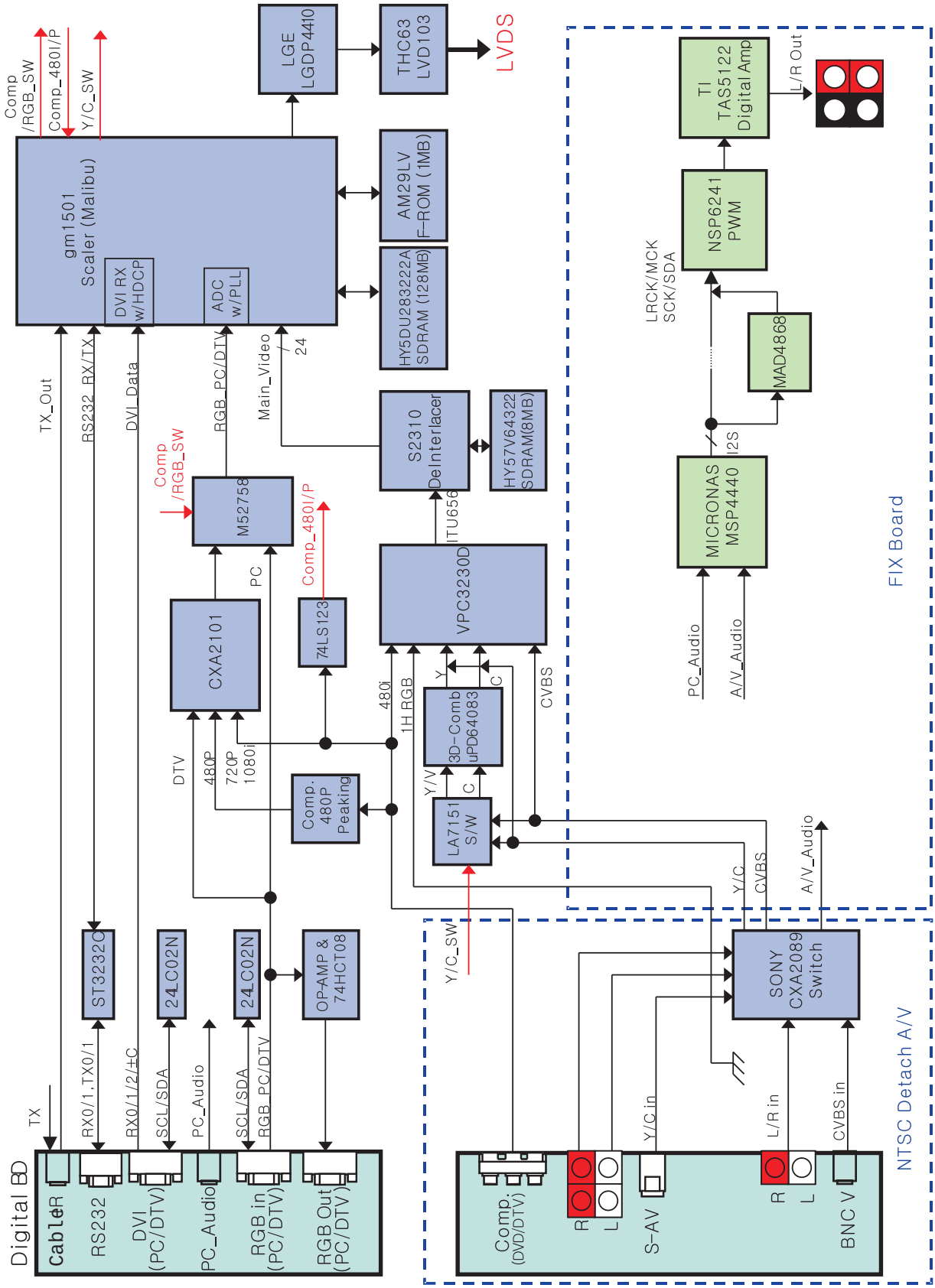
- LED is green
- Screen display but sound is not output



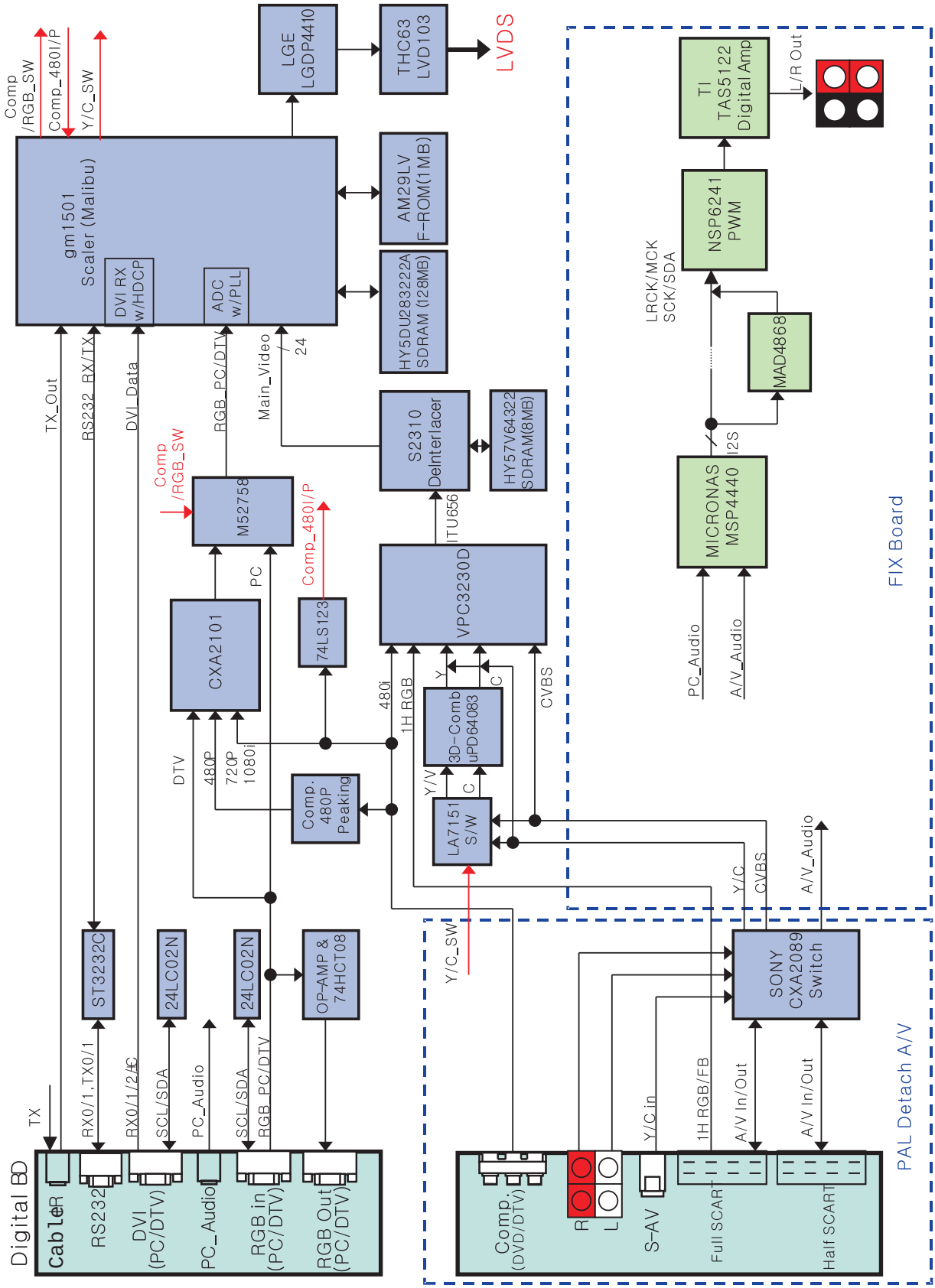
(2) Check follow



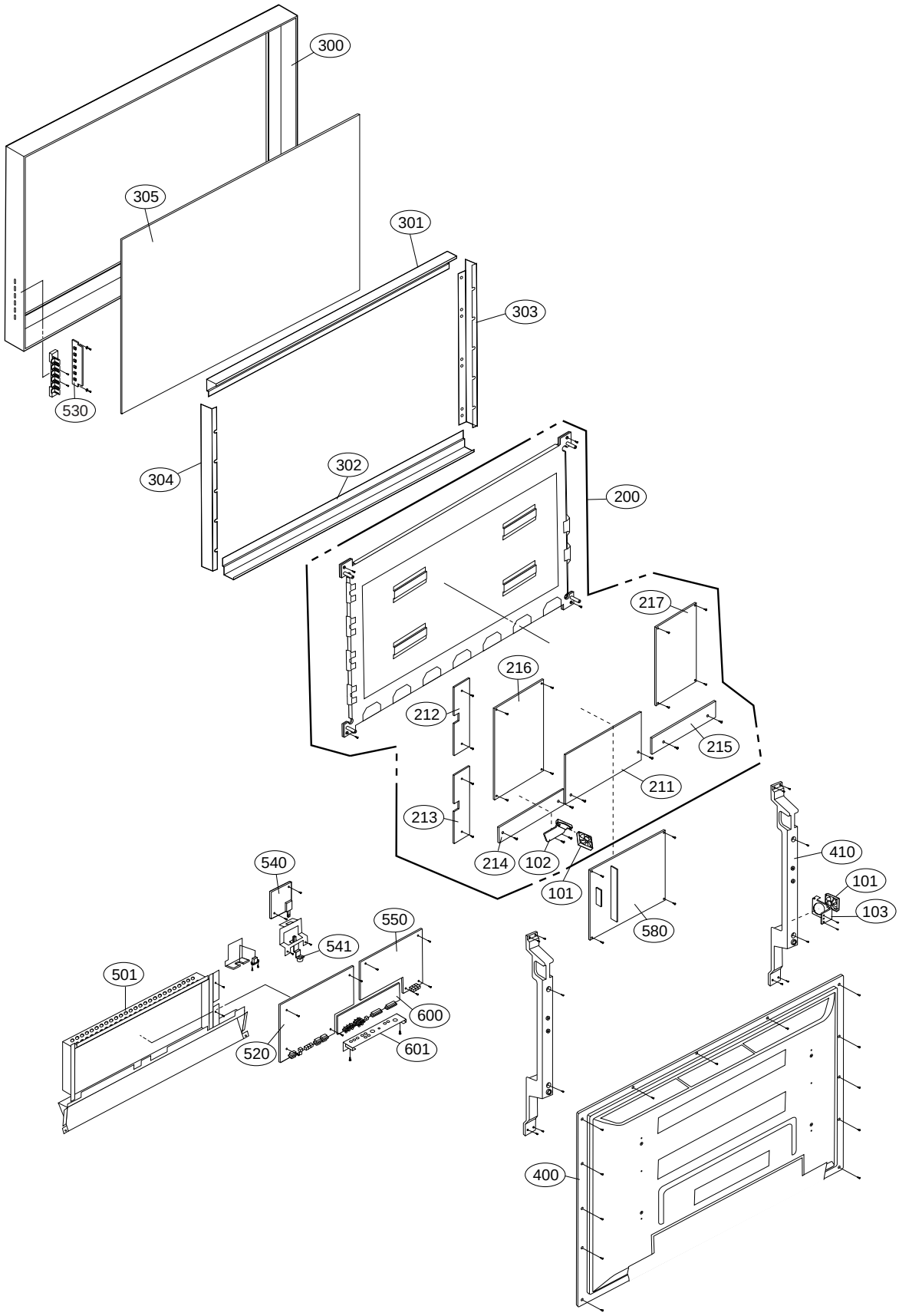
BLOCK DIAGRAM



BLOCK DIAGRAM



EXPLODED VIEW



EXPLODED VIEW PARTS LIST

No.	Part No.	Description
101	5900V04009A	FAN,DC 412F/39M PAPST 40*40*10 12V/45MA 4300RPM 17 PDP42”
102	4980V00D45A	SUPPORTER, FAN EGI APPLY FOR 42PM10 ,VGA RIGHT
103	4980V00D56A	SUPPORTER, FAN EGI MU-42PM11
200	6348Q-E077Q	PDP, 42” 852*480 PDP42V60091.ADLGA
211	6871QCH046B	PWB(PCB) ASSEMBLY,DISPLAY CTRL ASSY HAND INSERT 42V6A ASIC 4023 100PIN FPGA
212	6871QDH066A	PWB(PCB) ASSEMBLY,DISPLAY YDRV ASSY HAND INSERT 42V6 YDRV TOP HAND INSERT ASSY
213	6871QDH067A	PWB(PCB) ASSEMBLY,DISPLAY YDRV ASSY HAND INSERT 42V6 YDRV BTM HAND INSERT ASSY
214	6871QLH034A	PWB(PCB) ASSEMBLY,DISPLAY XRLT ASSY HAND INSERT 42V6_XL(4LAYER)
215	6871QRH037A	PWB(PCB) ASSEMBLY,DISPLAY XRRT ASSY HAND INSERT 42V6_XR(4LAYER)
216	6871QYH029A	PWB(PCB) ASSEMBLY,DISPLAY YSUS ASSY HAND INSERT 42V6
217	6871QZH033A	PWB(PCB) ASSEMBLY,DISPLAY ZSUS ASSY HAND INSERT 42V6
300	3091V00731B	CABINET ASSEMBLY, MZ-42PM10/14 RF04GA C/SKD
	3091V00731F	CABINET ASSEMBLY, 42PM10B RF04GA SKD
301	4980V00C59H	SUPPORTER, ASSY AL SUPP. FILTER TOP APPLY 42PM10 AL SKD
302	4980V00C59F	SUPPORTER, ASSY AL SUPP. FILTER BOT APPLY 42PM10 AL SKD
303	4980V00C45A	SUPPORTER, FILTER SECC(EGI) SIDE MZ-42PM10
304	4980V00C61J	SUPPORTER, ASSY AL SUPP. FILTER RIGHT APLLY TO 42PM10 SKD
305	3790V00709B	FILTER(MECH), MN42PZ41 LGM42-01 MITSUI 42” ETCHING MESH GLASS FILTER
400	3809V00504B	BACK COVER ASSEMBLY, MZ-42PM10 C/SKD
410	4980V00C62B	SUPPORTER, ASSY ZDC SUPP. MODULE VERTICAL C/SKD
501	3301V00043B	PLATE ASSEMBLY, ASSY 3301V00042A PLATE VSC ASSY C/SKD
520	6871VMMT58A	PWB(PCB) ASSEMBLY,MAIN RF-04GA DIGITAL B/D MANUAL
530	6871VSMT16A	PWB(PCB) ASSEMBLY,SUB CONT RF04GA LOCAL KEY
540	6871VSMABFA	PWB(PCB) ASSEMBLY,SUB PSW RF043A MAILBU
541	5020V01009B	BUTTON, POWER MZ-42PM10 ABS, AF-303S 1KEY C/SKD
	5020V01009D	BUTTON, POWER MZ-42PM10B ABS, AF-303S 1KEY SKD
550	6871VSMAAVA	PWB(PCB) ASSEMBLY,SUB A/V RF04GA FIX B/D
580	3501V00202A	BOARD ASSEMBLY, POWER RT-42PY10X RF043B YPSU-J005A LG INNOTEK 42 PSU
600	6871VSMAAUA	PWB(PCB) ASSEMBLY,SUB A/V RF04GA RCA PAL MZ-42PM10/B
	6871VSMADWA	PWB(PCB) ASSEMBLY,SUB A/V RF04GA SCART & RCA MZ-42PM14
601	4980V00C71E	SUPPORTER, AV INTERFACE EGI MZ-42PM10 SKD
	4980V00C71P	SUPPORTER, AV INTERFACE EGI MZ-42PM14 SKD

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
IC		
IC100	0IMCRSG010A	ST3232CDR
IC1000	0IMMRHY020B	HY5DU283222AQ-5
IC1001	0IMMRMR023B	MX29LV800BTTC-70
IC101	0IMMRAL014B	AT24C02N-10SI-2.7
IC1100	0ICTMLG018A	LGDP4410
IC1200	0IMCRTH002A	THC63LVD103
IC1300	0IPRPML001A	MIC39100 SOT223
IC1301	0IMCRSJ001A	SC1565IST-1.8
IC1302	0IMCRFA010A	KA7809R, FAIRCHILD 2P D-PAK
IC1400	0IMCRSH001A	PQ05DZ1U SHARP 5, SMD
IC1401	0IMCRSH001A	PQ05DZ1U SHARP 5, SMD
IC1402	0IMCRRH001A	BA033FP-E2 ROHM 3P-SOP
IC1403	0IPRPML001A	MIC39100 SOT223 R/TP LDO
IC1404	0IMCRRH001A	BA033FP-E2 ROHM 3P-SOP
IC1405	0IMCRSJ001A	SC1565IST-1.8 SOT223
IC1500	0IDS162100B	DS1621V 8P
IC1501	0IMCRKE007A	KIA278R09PI KEC TO220IS
IC1502	0ISH122100B	PQ12RD21 4SIP
IC1503	0IMCRPH015A	74LVC32AD 14P SOT108-1
IC200	0IMMRAL014B	AT24C02N-10SI-2.7
IC201	0IPRPBB005A	OPA3692IDBQ
IC202	0IMCRTI003A	SN74HCT08D
IC300	0ISO208900A	CXA2089Q 48QFP
IC301	0IMCRFA010A	KA7809R, FAIRCHILD 2P D-PAK
IC400	0IMCRMI006A	M52758FP
IC400	0IMCRSH001A	PQ05DZ1U SHARP 5
IC401	0IPRPML001A	MIC39100 SOT223
IC401	0ISTLSG009A	M74HC123RM13TR
IC500	0ISO210100B	CXA2101AQ 80P
IC501	0IMCRMN027B	MSP4440G-QA-C13-101WITH
IC502	0IMCRNL001A	NSP-6241B
IC503	0IKE704200J	KIA7042AF SOT-89
IC504	0IMCRTI028C	TAS5122DCAR
IC505	0IMCRFA010A	KA7809R, FAIRCHILD 2P D-PAK
IC506	0IPRPJR017A	NJU26901E2 JRC 8P
IC700	0IIT323000E	VPC3230D C5 80P
IC800	0IMCRGN002C	FLI2300BD 208P PQFP
IC801	0IMMRHY033A	HY57V643220C(L)T-6
IC900	0IPRPGN012A	GM1501HBD 416P PBGA
IC901	0IKE704200J	KIA7042AF SOT-89 TP 4.2V
IC902	0IMMRAL025A	AT24C32AN-10SI-2.7
TRANSISTOR		
Q001	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q002	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q100	0TR830009BA	BSS83 N-CHANNEL S/W TR
Q101	0TR830009BA	BSS83 N-CHANNEL S/W TR
Q1300	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1301	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q200	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q200	0TR830009BA	BSS83 N-CHANNEL S/W TR

LOCA. NO	PART NO	DESCRIPTION
Q201	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q201	0TR830009BA	BSS83 N-CHANNEL S/W TR
Q202	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q203	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q204	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q300	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q300	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q301	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q301	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q302	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q302	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q303	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q303	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q304	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q304	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q305	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q305	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q306	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q306	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q307	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q307	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q308	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q308	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q309	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q309	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q310	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q311	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q312	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q313	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q400	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q401	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q402	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q403	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q404	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q405	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q406	0TR104009AF	CHIP KRC104S SOT-23 TP KEC
Q407	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q502	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q503	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q504	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q601	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q602	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q603	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q604	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q605	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q606	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q607	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q608	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q609	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q610	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q611	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q612	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q613	0TR387500AA	CHIP 2SC3875S(ALY) KEC

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LOCA. NO	PART NO	DESCRIPTION
Q614	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q615	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q616	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q617	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q618	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q619	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q620	0TR387500AA	CHIP 2SC3875S(ALY) KEC
DIODE		
D100	0DD226239AA	CHIP KDS226 SOT-23
D101	0DD226239AA	CHIP KDS226 SOT-23
D102	0DD226239AA	CHIP KDS226 SOT-23
D103	0DD226239AA	CHIP KDS226 SOT-23
D104	0DD226239AA	CHIP KDS226 SOT-23
D105	0DD226239AA	CHIP KDS226 SOT-23
D106	0DD226239AA	CHIP KDS226 SOT-23
D107	0DD226239AA	CHIP KDS226 SOT-23
D108	0DD184009AA	KDS184S CHIP 85V 300MA KEC
D1304	0DD226239AA	CHIP KDS226 SOT-23
D1305	0DD226239AA	CHIP KDS226 SOT-23
D1306	0DD226239AA	CHIP KDS226 SOT-23
D1400	0DD226239AA	CHIP KDS226 SOT-23
D1401	0DD226239AA	CHIP KDS226 SOT-23
D1402	0DD226239AA	CHIP KDS226 SOT-23
D1403	0DD226239AA	CHIP KDS226 SOT-23
D1404	0DD226239AA	CHIP KDS226 SOT-23
D1405	0DD226239AA	CHIP KDS226 SOT-23
D1500	0DD100009AM	EU1ZV(1) TP SANKEN
D200	0DD226239AA	CHIP KDS226 SOT-23
D200	0DD226239AA	CHIP KDS226 SOT-23
D201	0DD226239AA	CHIP KDS226 SOT-23
D201	0DD226239AA	CHIP KDS226 SOT-23
D202	0DD226239AA	CHIP KDS226 SOT-23
D202	0DD226239AA	CHIP KDS226 SOT-23
D203	0DD226239AA	CHIP KDS226 SOT-23
D204	0DD226239AA	CHIP KDS226 SOT-23
D205	0DD226239AA	CHIP KDS226 SOT-23
D206	0DD226239AA	CHIP KDS226 SOT-23
D207	0DD226239AA	CHIP KDS226 SOT-23
D208	0DD226239AA	CHIP KDS226 SOT-23
D209	0DD226239AA	CHIP KDS226 SOT-23
D210	0DD226239AA	CHIP KDS226 SOT-23
D211	0DD226239AA	CHIP KDS226 SOT-23
D212	0DD226239AA	CHIP KDS226 SOT-23
D213	0DD226239AA	CHIP KDS226 SOT-23
D214	0DD226239AA	CHIP KDS226 SOT-23
D215	0DD226239AA	CHIP KDS226 SOT-23
D216	0DD226239AA	CHIP KDS226 SOT-23
D217	0DD226239AA	CHIP KDS226 SOT-23
D218	0DD226239AA	CHIP KDS226 SOT-23
D219	0DD226239AA	CHIP KDS226 SOT-23
D220	0DD226239AA	CHIP KDS226 SOT-23

LOCA. NO	PART NO	DESCRIPTION
D221	0DD226239AA	CHIP KDS226 SOT-23
D222	0DD226239AA	CHIP KDS226 SOT-23
D300	0DD226239AA	CHIP KDS226 SOT-23
D301	0DD226239AA	CHIP KDS226 SOT-23
D302	0DD226239AA	CHIP KDS226 SOT-23
D303	0DD226239AA	CHIP KDS226 SOT-23
D304	0DD226239AA	CHIP KDS226 SOT-23
D305	0DD226239AA	CHIP KDS226 SOT-23
D306	0DD226239AA	CHIP KDS226 SOT-23
D307	0DD226239AA	CHIP KDS226 SOT-23
D308	0DD226239AA	CHIP KDS226 SOT-23
D309	0DD226239AA	CHIP KDS226 SOT-23
D310	0DD226239AA	CHIP KDS226 SOT-23
D400	0DD226239AA	CHIP KDS226 SOT-23
D401	0DD226239AA	CHIP KDS226 SOT-23
D402	0DD226239AA	CHIP KDS226 SOT-23
ZD100	0DR050008AA	SD05.TC SOD323 5V 5A 15A
ZD101	0DR050008AA	SD05.TC SOD323 5V 5A 15A
ZD102	0DR050008AA	SD05.TC SOD323 5V 5A 15A
ZD200	0DR050008AA	SD05.TC SOD323 5V 5A 15A
ZD201	0DR050008AA	SD05.TC SOD323 5V 5A 15A
ZD202	0DR050008AA	SD05.TC SOD323 5V 5A 15A
ZD203	0DR050008AA	SD05.TC SOD323 5V 5A 15A
ZD500	0DZ820009AH	MTZJ8.2B TP ROHM-K DO34
D1301	0DL233309AC	LED, SAM2333
D1302	0DL233309AC	LED, SAM2333
D1303	0DL233309AC	LED, SAM2333
D600	0DL233309AC	LED, SAM2333
LD001	0DL200000CA	LED, SAM5670(DL-2LRG)
LED400	0DL233309AC	LED, SAM2333
LED401	0DL233309AC	LED, SAM2333
LED402	0DL233309AC	LED, SAM2333
CAPACITOR		
C002	0CE476SF6DC	47UF MVG 16V M SMD
C1000	0CE226SF6DC	22UF MVG 16V SMD
C1001	0CE226SF6DC	22UF MVG 16V SMD
C1019	0CE107SF6DC	100UF MVG 16V M SMD
C115	0CE476SF6DC	47UF MVG 16V M SMD
C1300	0CE477SF6DC	470UF MVG 16V R/TP(SMD) SMD
C1305	0CE227VF6DC	220UF MV 16V R/TP(SMD) SMD
C1306	0CE227VF6DC	220UF MV 16V R/TP(SMD) SMD
C1308	0CE477SF6DC	470UF MVG 16V R/TP(SMD) SMD
C1318	0CE477SF6DC	470UF MVG 16V R/TP(SMD) SMD
C1322	0CE477SF6DC	470UF MVG 16V R/TP(SMD) SMD
C1323	0CE477SF6DC	470UF MVG 16V R/TP(SMD) SMD
C1325	0CE227VF6DC	220UF MV 16V R/TP(SMD) SMD
C1326	0CE477SF6DC	470UF MVG 16V R/TP(SMD) SMD
C1330	0CE227VF6DC	220UF MV 16V R/TP(SMD) SMD
C1331	0CE227VF6DC	220UF MV 16V R/TP(SMD) SMD
C1332	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C1335	0CE227VF6DC	220UF MV 16V R/TP(SMD) SMD

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LOCA. NO	PART NO	DESCRIPTION
C1336	0CE227VF6DC	220UF MV 16V R/TP(SMD) SMD
C1338	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C1349	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C1350	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C1351	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C1354	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C1355	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C1356	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C1402	0CE477SF6DC	470UF MVG 16V R/TP(SMD) SMD
C1403	0CE227VF6DC	220UF MV 16V R/TP(SMD) SMD
C1418	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C1419	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C1420	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C1422	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C1423	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C1424	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C1427	0CE477SF6DC	470UF MVG 16V R/TP(SMD) SMD
C1428	0CE227VF6DC	220UF MV 16V R/TP(SMD) SMD
C1441	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C1442	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C1443	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C1444	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C1445	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C1446	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C1450	0CE477SF6DC	470UF MVG 16V R/TP(SMD) SMD
C1451	0CE477SF6DC	470UF MVG 16V R/TP(SMD) SMD
C1452	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C1456	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C1457	0CE477SF6DC	470UF MVG 16V R/TP(SMD) SMD
C1458	0CE477SF6DC	470UF MVG 16V R/TP(SMD) SMD
C1481	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C1482	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C1483	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C1484	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C1485	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C1487	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C1489	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C1490	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C1491	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C1493	0CE477SF6DC	470UF MVG 16V R/TP(SMD) SMD
C1501	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C1514	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C1516	0CE227VF6DC	220UF MV 16V R/TP(SMD) SMD
C1517	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C1518	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C1519	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C200	0CE477VF6DC	470UF MV 16V R/TP(SMD) SMD
C209	0CH5471K416	470PF 50V 5% NP0 2012 R/TP
C210	0CH5471K416	470PF 50V 5% NP0 2012 R/TP
C210	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C211	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C211	0CE476SF6DC	47UF MVG 16V M SMD R/TP

LOCA. NO	PART NO	DESCRIPTION
C212	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C212	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C213	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C214	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C215	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C216	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C217	0CH5471K416	470PF 50V 5% NP0 2012 R/TP
C218	0CH5471K416	470PF 50V 5% NP0 2012 R/TP
C219	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C220	0CE475WJ6DC	4.7UF MVK 35V R/TP(SMD) SMD
C221	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C221	0CE475WJ6DC	4.7UF MVK 35V R/TP(SMD) SMD
C222	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
C223	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
C223	0CE477SF6DC	470UF MVG 16V R/TP(SMD) SMD
C224	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C225	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
C225	0CE477SF6DC	470UF MVG 16V R/TP(SMD) SMD
C227	0CE477SF6DC	470UF MVG 16V R/TP(SMD) SMD
C230	0CH5471K416	470PF 50V 5% NP0 2012 R/TP
C231	0CH5471K416	470PF 50V 5% NP0 2012 R/TP
C232	0CH2103K516	10000P 50V K B 2.0X1.25 R/TP
C233	0CH2103K516	10000P 50V K B 2.0X1.25 R/TP
C234	0CH2103K516	10000P 50V K B 2.0X1.25 R/TP
C235	0CH2103K516	10000P 50V K B 2.0X1.25 R/TP
C237	0CH5471K416	470PF 50V 5% NP0 2012 R/TP
C238	0CH5471K416	470PF 50V 5% NP0 2012 R/TP
C239	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C240	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C241	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C242	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C244	0CH5101K416	100PF 50V J NP0 2012 R/TP
C245	0CH5101K416	100PF 50V J NP0 2012 R/TP
C246	0CH5101K416	100PF 50V J NP0 2012 R/TP
C247	0CH5101K416	100PF 50V J NP0 2012 R/TP
C248	0CE475WJ6DC	4.7UF MVK 35V R/TP(SMD) SMD
C249	0CE475WJ6DC	4.7UF MVK 35V R/TP(SMD) SMD
C250	0CE477VF6DC	470UF MV 16V R/TP(SMD) SMD
C300	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C300	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C301	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C302	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C303	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C304	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C305	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C305	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C306	0CH5101K416	100PF 50V J NP0 2012 R/TP
C307	0CH5101K416	100PF 50V J NP0 2012 R/TP
C308	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C309	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
C309	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C310	0CE105SK6DC	1UF MVG 50V M SMD R/TP

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LOCA. NO	PART NO	DESCRIPTION
C311	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
C312	0CH5101K416	100PF 50V J NP0 2012 R/TP
C313	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C314	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C315	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C316	0CH5101K416	100PF 50V J NP0 2012 R/TP
C317	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
C318	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
C319	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C320	0CH2103K516	10000P 50V K B 2.0X1.25 R/TP
C321	0CH2103K516	10000P 50V K B 2.0X1.25 R/TP
C322	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
C323	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
C324	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
C325	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
C326	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
C330	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C331	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
C335	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C336	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C337	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C338	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
C339	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C340	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
C341	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
C342	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
C343	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C344	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C345	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C346	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
C347	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C348	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
C400	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C404	0CE108DJ618	1000UF STD 35V M FL TP5
C404	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C405	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C406	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C406	0CE227VF6DC	220UF MV 16V R/TP(SMD) SMD
C407	0CE477SF6DC	470UF MVG 16V R/TP(SMD) SMD
C408	0CE477SF6DC	470UF MVG 16V R/TP(SMD) SMD
C409	0CE477SF6DC	470UF MVG 16V R/TP(SMD) SMD
C410	0CE108DJ618	1000UF STD 35V M FL TP5
C411	0CE227VF6DC	220UF MV 16V R/TP(SMD) SMD
C411	0CN105EJ56A	1.0UF 3216 35V 10% R/TP X7R
C412	0CE476XFKDC	47UF MVK-BP,CN 16V 20%
C415	0CE476XFKDC	47UF MVK-BP,CN 16V 20%
C416	0CE476XFKDC	47UF MVK-BP,CN 16V 20%
C417	0CE227VF6DC	220UF 16V R/TP(SMD) SMD
C418	0CE106SF6DC	10UF 16V R/TP(SMD) SMD
C420	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C423	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C426	0CE477SF6DC	470UF MVG 16V R/TP(SMD) SMD

LOCA. NO	PART NO	DESCRIPTION
C427	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C429	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C431	0CE477SF6DC	470UF MVG 16V R/TP(SMD) SMD
C434	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C437	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C500	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C501	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C506	0CE335SK6DC	3.3UF MVG 50V SMD R/TP
C507	0CE335SK6DC	3.3UF MVG 50V SMD R/TP
C513	0CE106SF6DC	10UF MVG 16V R/TP(SMD) SMD
C514	0CE106SF6DC	10UF MVG 16V R/TP(SMD) SMD
C515	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C516	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C517	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C517	0CE226SF6DC	22UF MVG 16V SMD R/TP
C522	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C525	0CE226VF6DC	22UF MV 16V R/TP(SMD) SMD
C530	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C534	0CE106SF6DC	10UF MVG 16V R/TP(SMD) SMD
C536	0CE106SF6DC	10UF MVG 16V R/TP(SMD) SMD
C538	0CE106SF6DC	10UF MVG 16V R/TP(SMD) SMD
C540	0CE106SF6DC	10UF MVG 16V R/TP(SMD) SMD
C545	0CN105EJ56A	1.0UF 3216 35V 10% R/TP X7R
C549	0CN105EJ56A	1.0UF 3216 35V 10% R/TP X7R
C553	0CE108DH618	1000UF STD 25V M FL TP5
C554	0CE108DH618	1000UF STD 25V M FL TP5
C567	0CF4741L438	0.47UF D 63V 5% TP 5 M/PE NI
C568	0CF4741L438	0.47UF D 63V 5% TP 5 M/PE NI
C569	0CE108DH618	1000UF STD 25V M FL TP5
C600	0CE106SF6DC	10UF MVG 16V R/TP(SMD) SMD
C611	0CE106SF6DC	10UF MVG 16V R/TP(SMD) SMD
C612	0CN105EJ56A	1.0UF 3216 35V 10% R/TP X7R
C627	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C627	0CN105EJ56A	1.0UF 3216 35V 10% R/TP X7R
C634	0CE106SF6DC	10UF MVG 16V R/TP(SMD) SMD
C635	0CE106SF6DC	10UF MVG 16V R/TP(SMD) SMD
C638	0CE106SF6DC	10UF MVG 16V R/TP(SMD) SMD
C639	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C640	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C641	0CE106SF6DC	10UF MVG 16V R/TP(SMD) SMD
C705	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C709	0CE106SF6DC	10UF MVG 16V R/TP(SMD) SMD
C714	0CE106SF6DC	10UF MVG 16V R/TP(SMD) SMD
C730	0CE106SF6DC	10UF MVG 16V R/TP(SMD) SMD
C827	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C833	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C904	0CE335SK6DC	3.3UF MVG 50V SMD R/TP
C905	0CE226SF6DC	22UF MVG 16V SMD R/TP
C906	0CE226SF6DC	22UF MVG 16V SMD R/TP
C908	0CE226SF6DC	22UF MVG 16V SMD R/TP
C909	0CE226SF6DC	22UF MVG 16V SMD R/TP
C910	0CE226SF6DC	22UF MVG 16V SMD R/TP

For Capacitor & Resistors, the charactors at 2nd and 3rd digit in the P/No. means as follows;

CC, CX, CK, CN : Ceramic
CQ : Polyestor
CE : Electrolytic

RD : Carbon Film
RS : Metal Oxide Film
RN : Metal Film
RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
C911	0CE226SF6DC	22UF MVG 16V SMD R/TP
C912	0CE226SF6DC	22UF MVG 16V SMD R/TP
C913	0CE226SF6DC	22UF MVG 16V SMD R/TP
C919	0CE226SF6DC	22UF MVG 16V SMD R/TP
C920	0CE226SF6DC	22UF MVG 16V SMD R/TP
C921	0CE226SF6DC	22UF MVG 16V SMD R/TP
COIL		
L1300	6140VB0004B	26UH 1UEWPHY 22.5TURN
L1301	6140VB0004B	26UH 1UEWPHY 22.5TURN
L1302	6140VB0004B	26UH 1UEWPHY 22.5TURN
L1303	6140VB0004B	26UH 1UEWPHY 22.5TURN
L400	6140VB0004B	26UH 1UEWPHY 22.5TURN
L401	6140VB0004B	26UH 1UEWPHY 22.5TURN
L402	6140VB0004B	26UH 1UEWPHY 22.5TURN
L507	6140VB0024A	LPK-1322A
L508	6140VB0024A	LPK-1322A
L509	6140VB0024A	LPK-1322A
L510	6140VB0024A	LPK-1322A
CONNECTOR		
P101	6630VGA004B	CONNECTOR (CIRC),D-SUB 69107-0921
P200	6630VGA001C	CONNECTOR (CIRC),D-SUB 68114-1521
P201	6630VGA001C	CONNECTOR (CIRC),D-SUB 68114-1521
P500	385-173B	CONNECTOR (CIRC),TERMINAL VER TYPE
RESISTOR		
R1530	0RD0302A609	30 OHM 1/2 W(7.0) 5.00%
R801	0RKZVTA001L	1.0M OHM 1/2 W 5% TA52
R802	0RKZVTA001L	1.0M OHM 1/2 W 5% TA52
RA1100	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
RA1101	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
RA1102	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
RA1103	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
RA1104	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
RA1105	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
RA1106	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
RA700	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
RA701	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
RA702	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
RA703	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
RA800	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
RA801	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
RA802	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
RA803	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
RA804	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
RA805	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
RA806	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
RA807	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
RA808	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
RA809	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
RA810	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%

LOCA. NO	PART NO	DESCRIPTION
RA811	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
RA812	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
RA813	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
RA814	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
RA815	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
RA816	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
RA817	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
RA818	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
RA900	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
RA901	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
RA902	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
RA903	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
RA904	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
RA905	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
RA906	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
RA907	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
RA908	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
RA909	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
RA910	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
RA911	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
RA912	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
SWITCH		
SW001	140-313B	TACT, 2LEAD 160G(TA)
SW002	140-313B	TACT, 2LEAD 160G(TA)
SW003	140-313B	TACT, 2LEAD 160G(TA)
SW004	140-313B	TACT, 2LEAD 160G(TA)
SW005	140-313B	TACT, 2LEAD 160G(TA)
SW006	140-313B	TACT, 2LEAD 160G(TA)
SW800	6600VM2006A	PUSH, SDDF3PATP011
SW900	140-313B	TACT, 2LEAD 160G(TA)
FILTER & CRYSTAL		
F100	6200J00012A	ACM2012-900H-2P
F101	6200J00012A	ACM2012-900H-2P
F102	6200J00012A	ACM2012-900H-2P
F103	6200J00012A	ACM2012-900H-2P
F500	6200VJS001A	ZJY51R5-4P DC 50VOLT 2A
F501	6200VJS001B	ZJYS51R5-2PL(T) TDK
F502	6200VJS001B	ZJYS51R5-2PL(T) TDK
L100	6210VC0006A	FBMH3216 HM501NT
L1000	6210VC0006A	FBMH3216 HM501NT
L101	6210VC0006A	FBMH3216 HM501NT
L102	6200JB8010L	MLB-201209-1000L-N2
L103	6200JB8010L	MLB-201209-1000L-N2
L104	6200JB8010L	MLB-201209-1000L-N2
L105	6200JB8010L	MLB-201209-1000L-N2
L106	6210VC0006A	FBMH3216 HM501NT
L1305	6210VC0006A	FBMH3216 HM501NT
L1307	6210VC0006A	FBMH3216 HM501NT
L1308	6210VC0006A	FBMH3216 HM501NT
L1309	6210VC0006A	FBMH3216 HM501NT

LOCA. NO	PART NO	DESCRIPTION
L1400	6210VC0006A	FBMH3216 HM501NT
L1401	6210VC0006A	FBMH3216 HM501NT
L1402	6210VC0006A	FBMH3216 HM501NT
L1404	6210VC0006A	FBMH3216 HM501NT
L1405	6210VC0006A	FBMH3216 HM501NT
L1406	6210VC0006A	FBMH3216 HM501NT
L1409	6210VC0006A	FBMH3216 HM501NT
L1410	6210VC0006A	FBMH3216 HM501NT
L1411	6210VC0006A	FBMH3216 HM501NT
L1412	6210VC0006A	FBMH3216 HM501NT
L1413	6210VC0006A	FBMH3216 HM501NT
L1414	6210VC0006A	FBMH3216 HM501NT
L1415	6210VC0006A	FBMH3216 HM501NT
L1416	6210VC0006A	FBMH3216 HM501NT
L1417	6210VC0006A	FBMH3216 HM501NT
L1418	6210VC0006A	FBMH3216 HM501NT
L1419	6210VC0006A	FBMH3216 HM501NT
L1420	6210VC0006A	FBMH3216 HM501NT
L1421	6210VC0006A	FBMH3216 HM501NT
L1422	6210VC0006A	FBMH3216 HM501NT
L1423	6210VC0006A	FBMH3216 HM501NT
L1424	6210VC0006A	FBMH3216 HM501NT
L1425	6210VC0006A	FBMH3216 HM501NT
L1426	6210VC0006A	FBMH3216 HM501NT
L1427	6210VC0006A	FBMH3216 HM501NT
L1428	6210VC0006A	FBMH3216 HM501NT
L201	6210VC0006A	FBMH3216 HM501NT
L205	6210VC0005A	BK2125 HS 750
L209	6210VC0006A	FBMH3216 HM501NT
L210	6210VC0006A	FBMH3216 HM501NT
L303	6210VC0006A	FBMH3216 HM501NT
L304	6210VC0006A	FBMH3216 HM501NT
L305	6210VC0006A	FBMH3216 HM501NT
L401	6210VC0006A	FBMH3216 HM501NT
L402	6210VC0006A	FBMH3216 HM501NT
L403	6210VC0006A	FBMH3216 HM501NT
L404	6210VC0006A	FBMH3216 HM501NT
L405	6210VC0006A	FBMH3216 HM501NT
L406	6210VC0006A	FBMH3216 HM501NT
L407	6210VC0006A	FBMH3216 HM501NT
L500	6210VC0006A	FBMH3216 HM501NT
L501	6210VC0006A	FBMH3216 HM501NT
L502	6210VC0006A	FBMH3216 HM501NT
L503	6210VC0006A	FBMH3216 HM501NT
L504	6210VC0005A	BK2125 HS 750
L504	6200JB8010L	MLB-201209-1000L-N2
L505	6210VC0005A	BK2125 HS 750
L505	6200JB8010L	MLB-201209-1000L-N2
L506	6210VC0005A	BK2125 HS 750
L900	6210VC0006A	FBMH3216 HM501NT
X500	156-A02M	CRYSTAL, HC49U 18.432MHZ
X700	6202VDT002E	CRYSTAL, SX-1SMD
X800	6202VDT002J	CRYSTAL, SX-113.500000MHZ
X900	6202VDT002B	CRYSTAL, SX-1 SC14.3MHZ
JACK		
P100	380-068E	PHONE, UEJ-CV-018
P102	6612BBBHN6A	DIN, 440062-1 AMP
P103	380-068E	PHONE, UEJ-CV-018
P200	6612J00010A	RCAM, PPJ128A-1 A/V 2P MONO
P201	6612VJH019B	RCA, PPJ121B A/V
P202	380-363K	DIN PJ6046G
P203	6612M00001A	SCART, UPJ-R1-023 UGCOM 21PIN
P204	6612M00001A	SCART, UPJ-R1-023 UGCOM 21PIN
ACCESSORIES		
A1	3828VA0513H	MANUAL,OWNERS RF04GA
A2	6710V00138D	REMOTE CONTROLLER RF04GA
A3	6410VEH003C	POWER CORD, M2511A-001
A4	6850J00004A	CABLE,DVI LVDS UL20276
MISCELLANEOUS		
F801	0FS1002B53K	FUSE,SLOW BLOW 10000MA 250V

RF-04GA
#1 INPUT_1

P100
IR_JACK

P101
RS-232C

IC100
ST3232C

P102
DVI-I

P103
PHONE

IC101
24C02

Q100
BS983

Q101
BS983

RF-04GA
#2 INPUT_2

P200
D-SUB15

IC201
OPA3604

IC202
74HCT08

P201
D-SUB15

P203
31PIN_A

P204
31PIN_A

RF-04GA
#4 RGB/YPbPr_SWITCH

RGB/GND path gm1501 closely

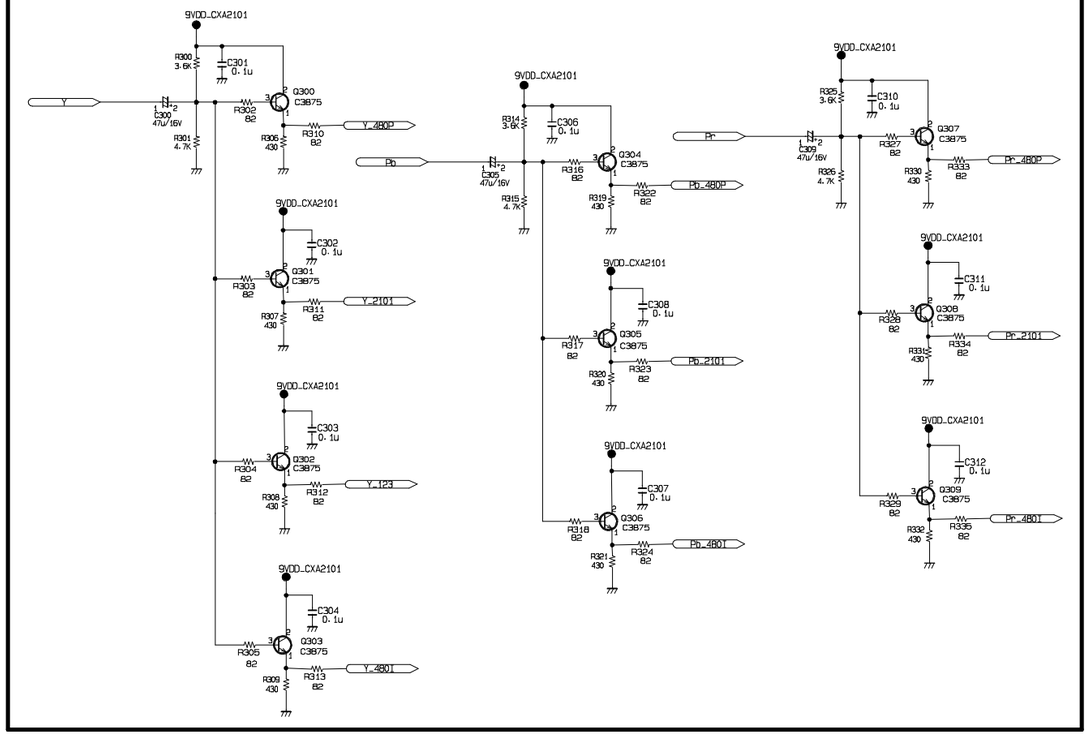
IC400
MS2758

IC401
74LS123

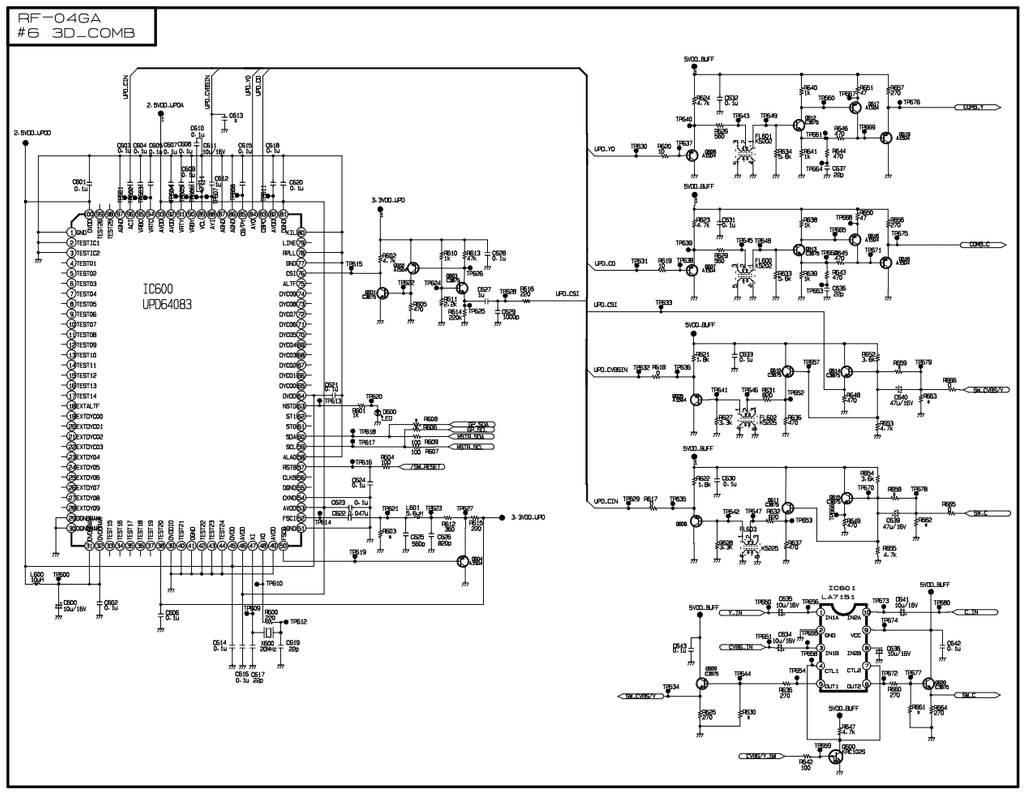
RF-04GA
#5 CXA2101AQ

IC500
CXA2101AQ

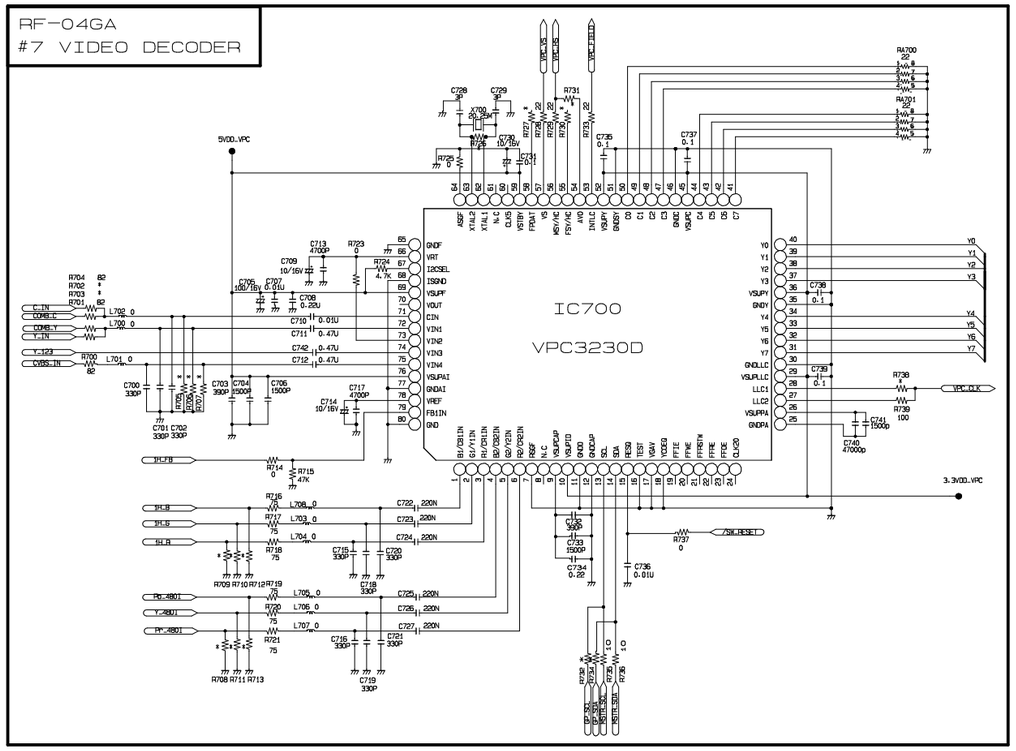
RF-04GA
#3 distributing circit



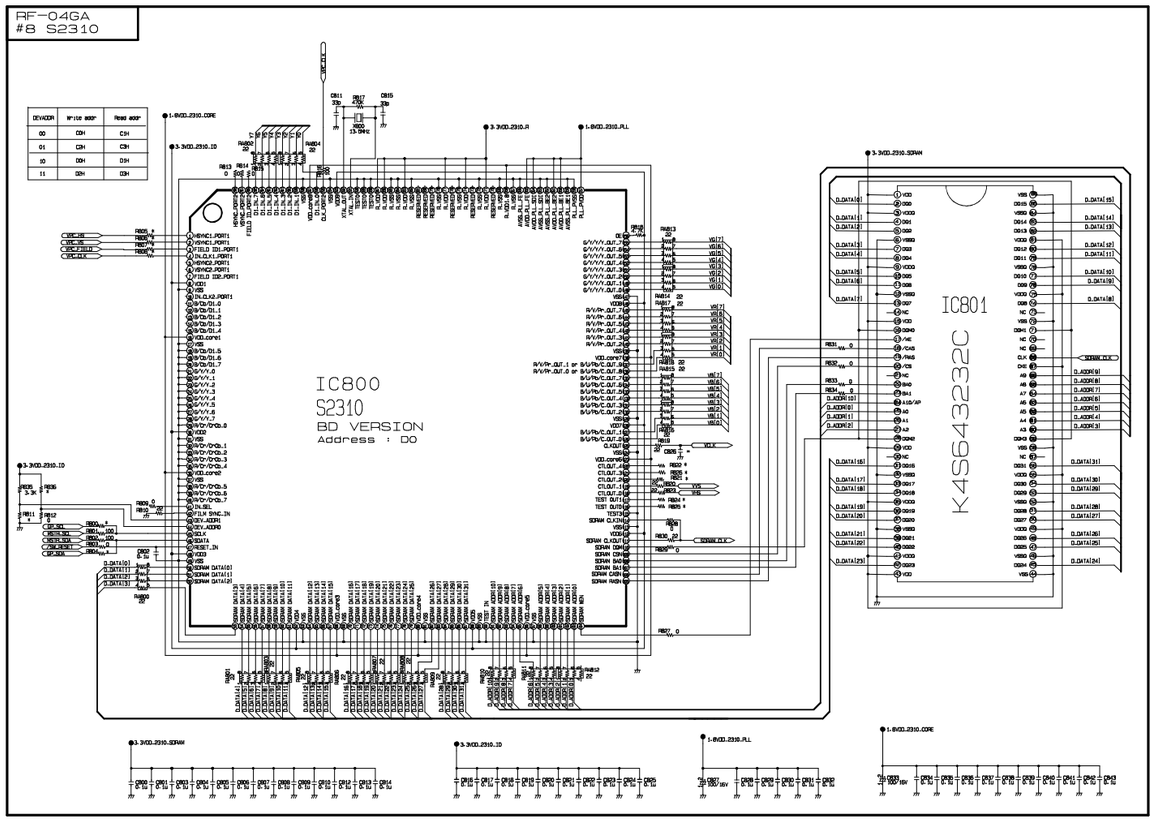
RF-04GA
#6 3D_COMB



RF-04GA
#7 VIDEO DECODER



RF-04GA
#8 S2310



RF-04GA
#9 SCALER(gm1601)

RF-04GA
#10 DDR RAM/F_ROM

IC1000
HY5DU283222A
SDRAM 128MB

IC1001
MX29F400
AM29LV160(1MByte)

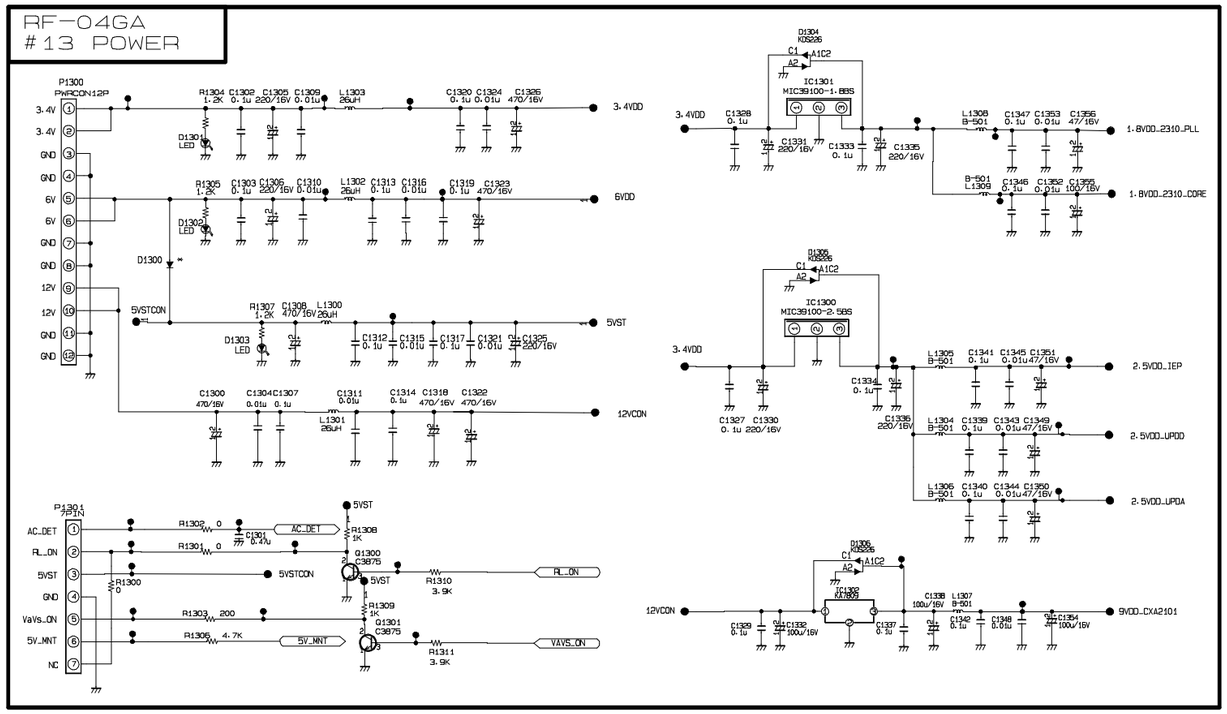
RF-04GA
#11 IEP

IC1100
LGD7441O IEP

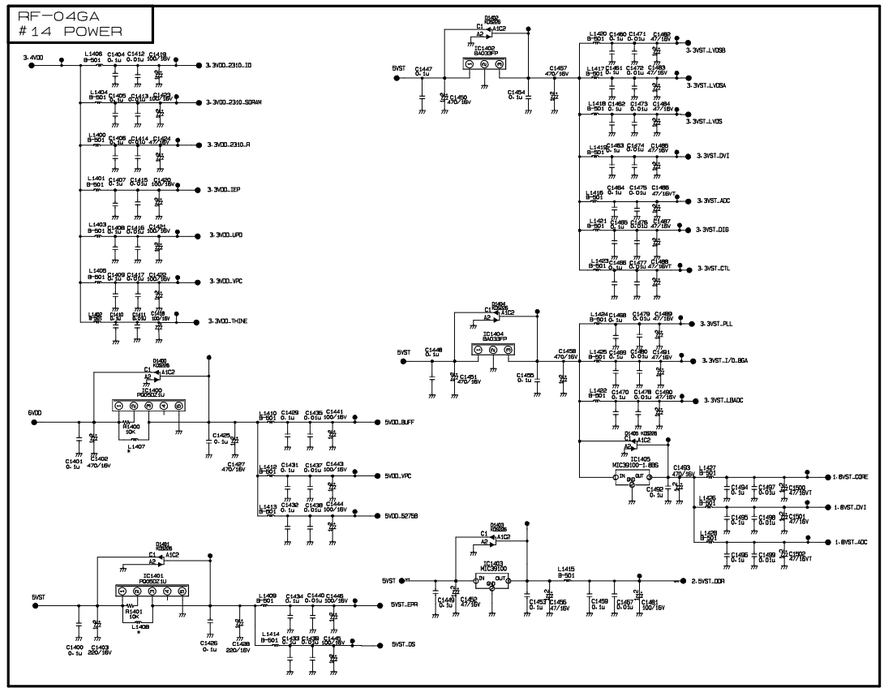
RF-04GA
#12 LVDS RECEIVER

IC1200
THC63LVD103

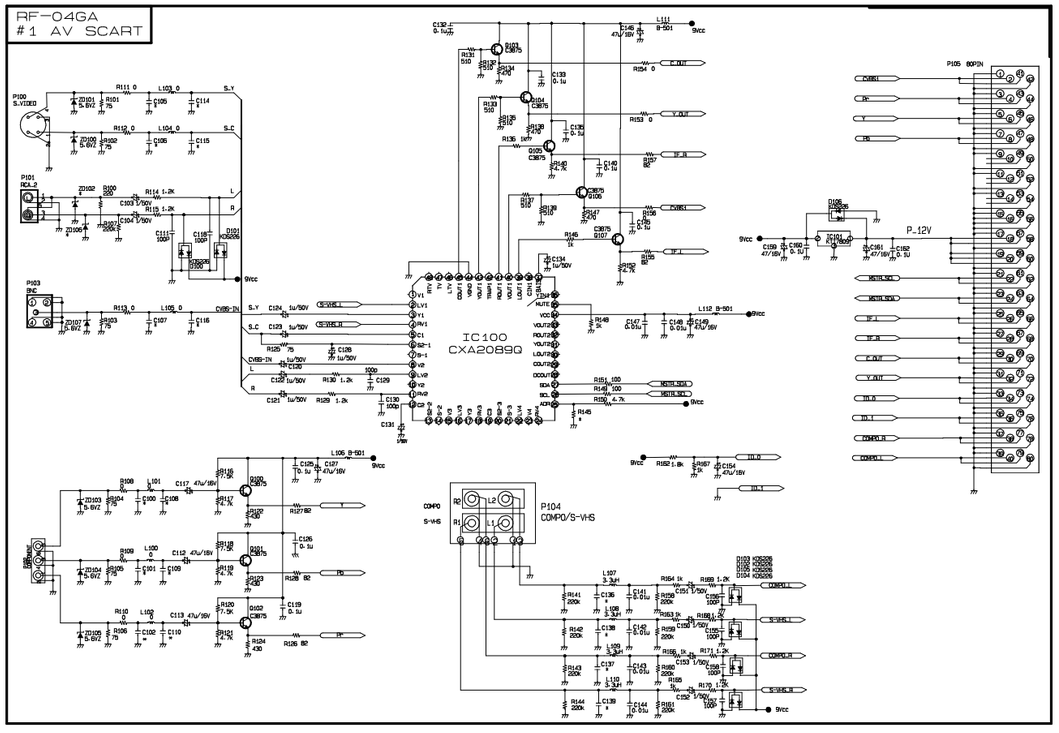
RF-04GA
#13 POWER



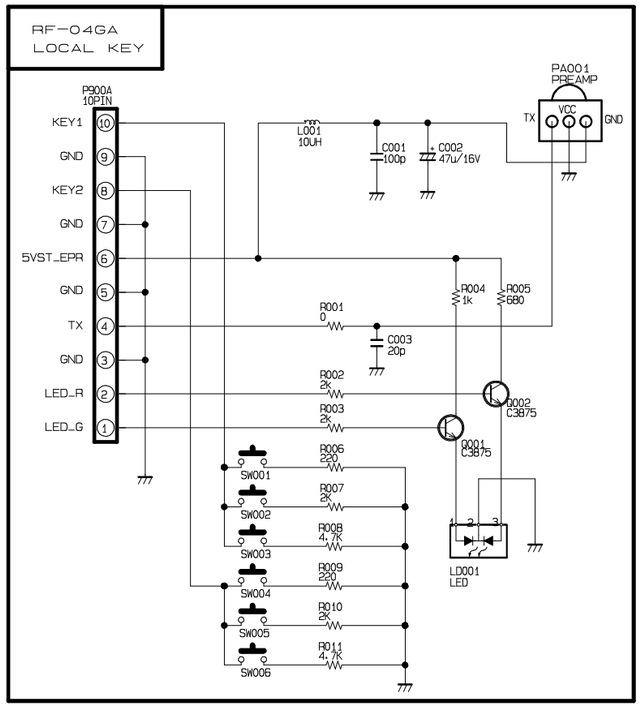
RF-04GA
#14 POWER



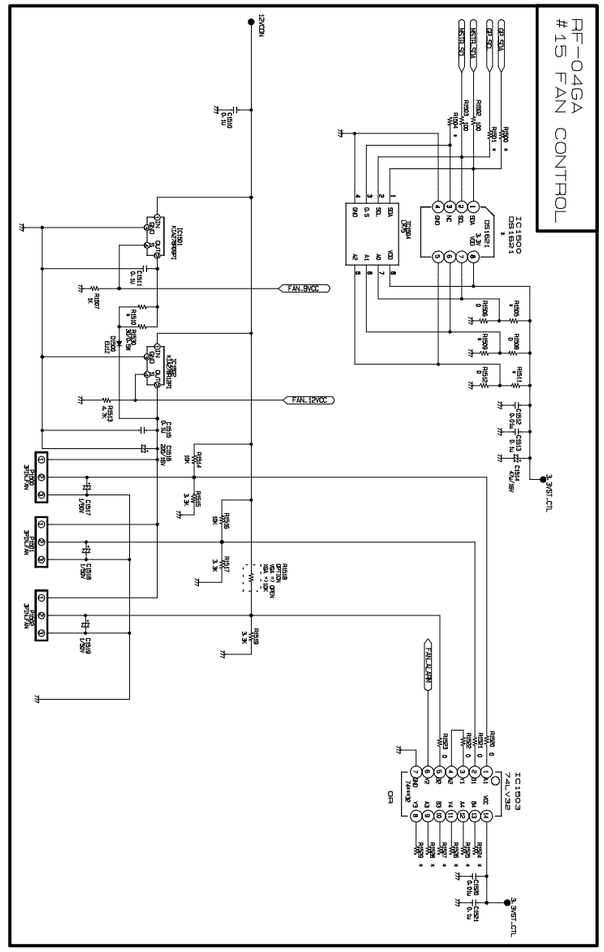
RF-04GA
#1 AV SCART



RF-04GA
LOCAL KEY



RF-04GA
#15 FAN CONTROL



RF-04GA
#2 AV RCA

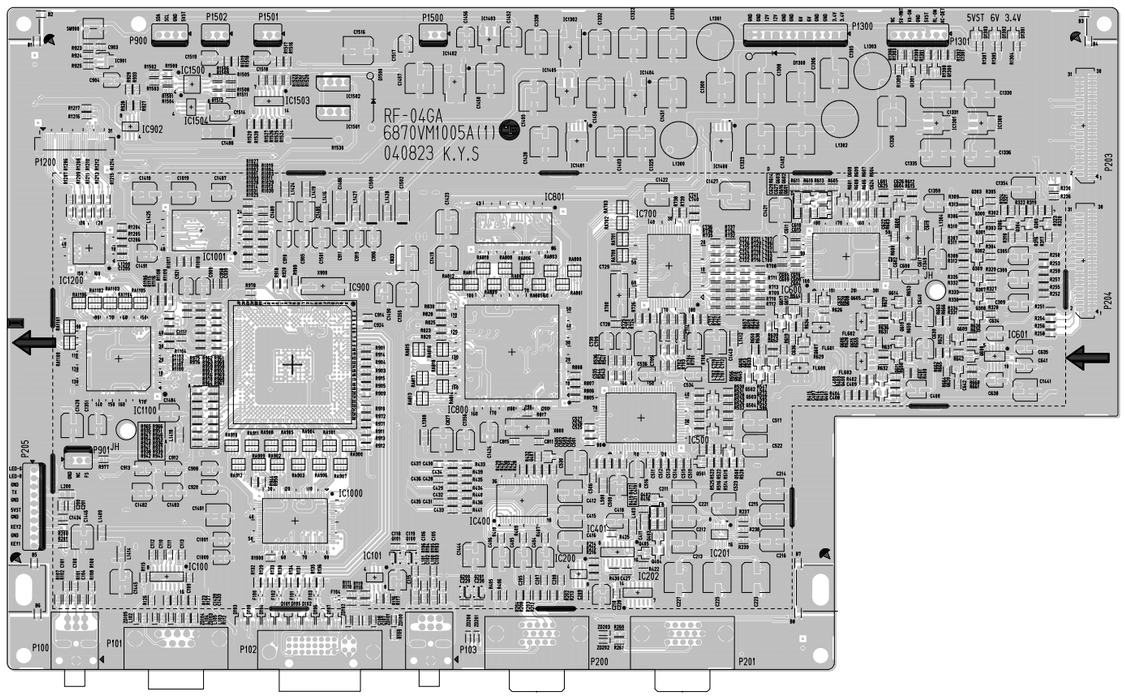
RF-04GA
#3 AV RCA

RF-04GA
#4 FIX_POWER

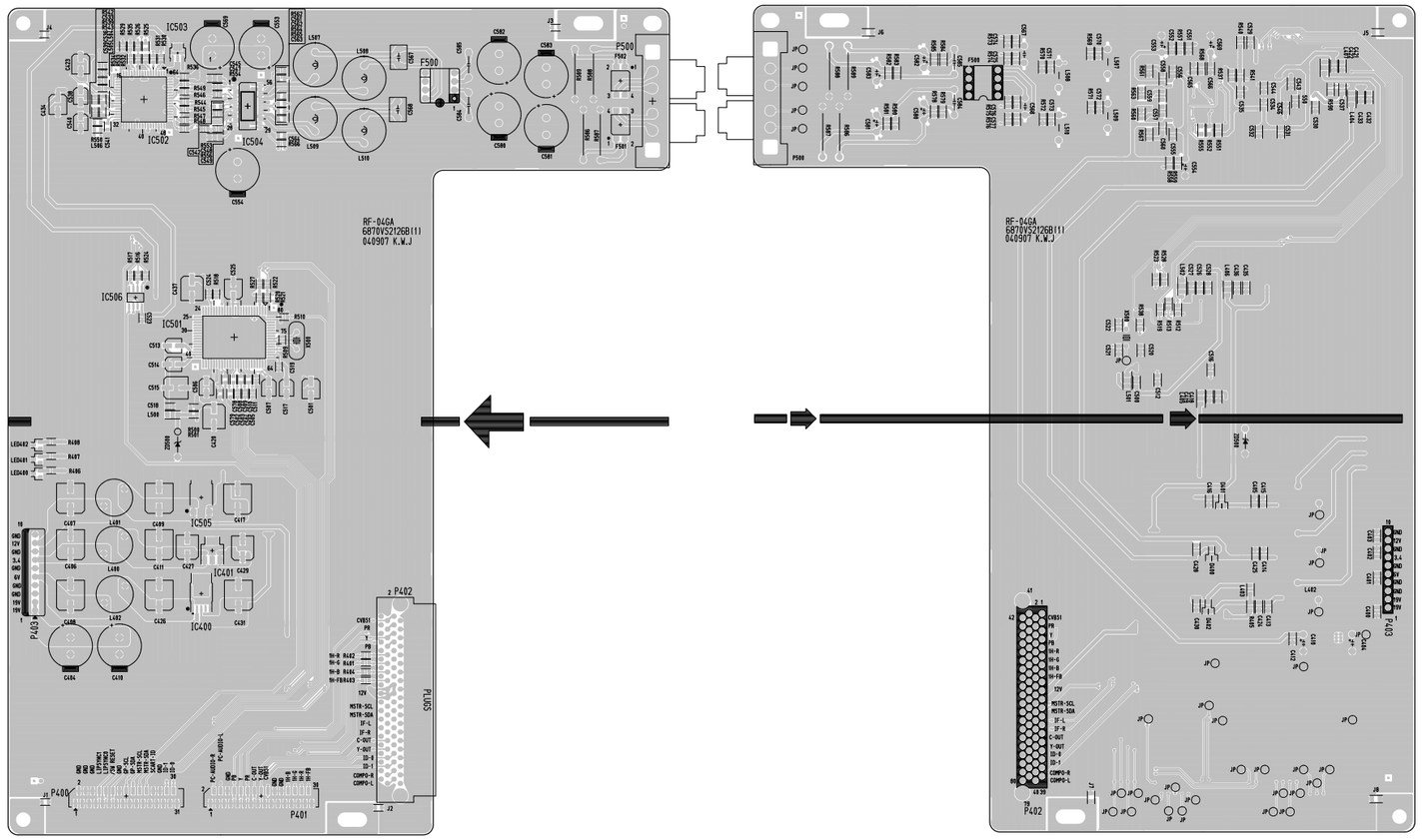
RF-04GA
#5 FIX_AUDIO

PRINTED CIRCUIT BOARD

MAIN (TOP)

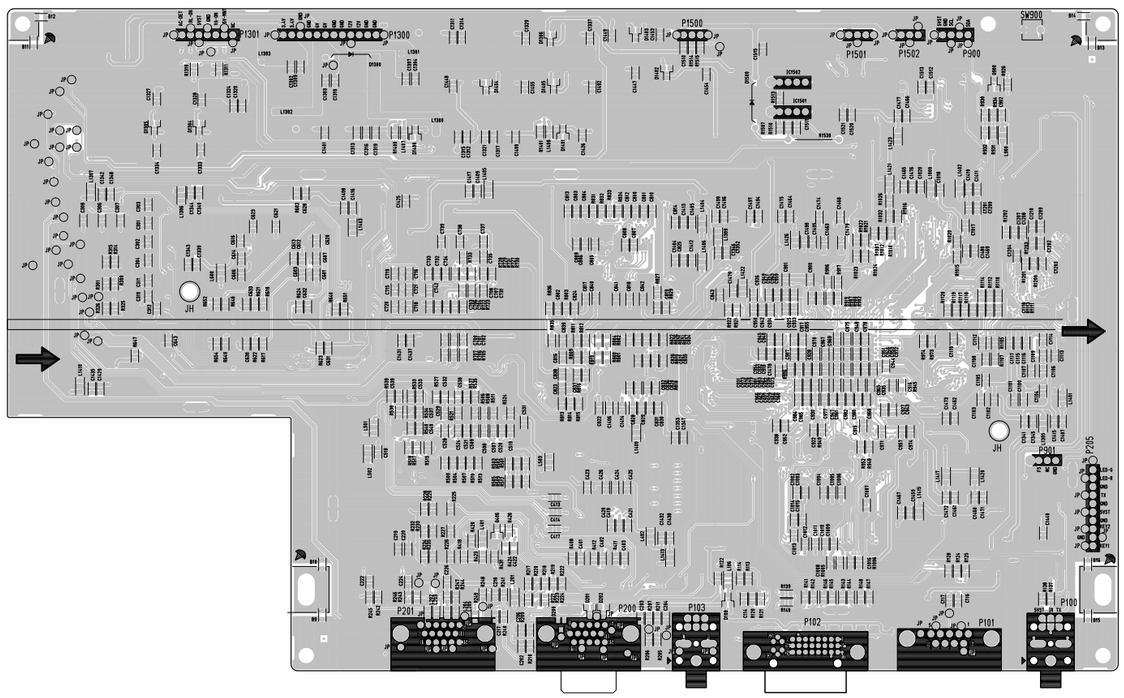


A/V FIX B/D(TOP)

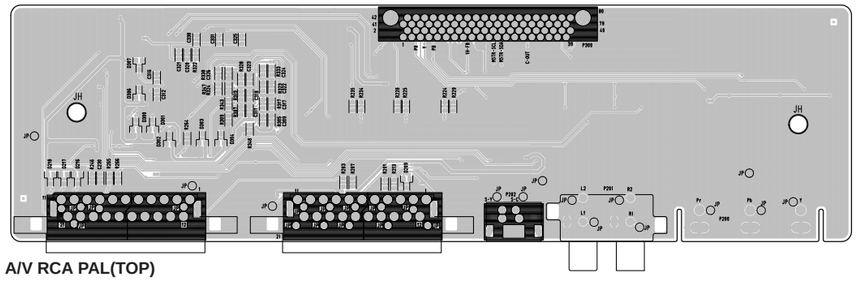


A/V FIX B/D(TOP)

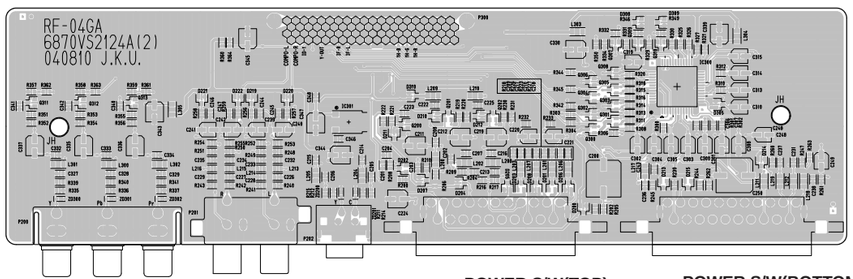
MAIN (BOTTOM)



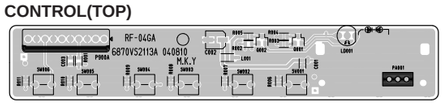
A/V RCA PAL(BOTTOM)



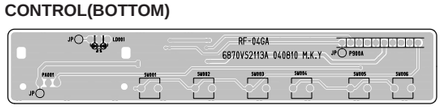
A/V RCA PAL(TOP)



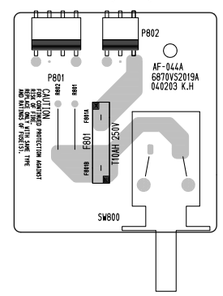
CONTROL(TOP)



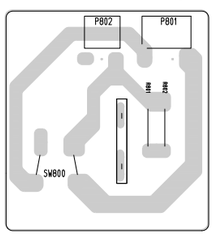
CONTROL(BOTTOM)



POWER S/W(TOP)



POWER S/W(BOTTOM)



LG Electronics Inc.

P/NO : 3828VD0198A

Jan., 2005
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